Essay name :Computer

Register number : W1

Word Weight Value : 32

Grammatical Score : 35

Total Score : 67

Grammatical Errors :

Line 1, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

Computer A computer is a machine that can be...

   ^^

Line 2, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

Computer A computer is a machine that can be instructed t...

       ^^

Line 2, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

Computer A computer is a machine that can be instructed to ...

      ^^

Line 2, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

Computer A computer is a machine that can be instructed to carry ou...

        ^^

Line 2, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer A computer is a machine that can be instructed to carry out seq...

                            ^^

Line 2, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er A computer is a machine that can be instructed to carry out sequence...

                            ^^

Line 2, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...A computer is a machine that can be instructed to carry out sequences of...

                            ^^

Line 2, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s a machine that can be instructed to carry out sequences of arithmetic ...

                            ^^

Line 2, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... machine that can be instructed to carry out sequences of arithmetic or l...

                            ^^

Line 2, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ne that can be instructed to carry out sequences of arithmetic or logical ...

                              ^^

Line 2, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hat can be instructed to carry out sequences of arithmetic or logical opera...

                              ^^

Line 4, column 7, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ically via computer programming. Modern computers have the ability to follo...

                              ^^

Line 4, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...computer programming. Modern computers have the ability to follow generali...

                              ^^

Line 4, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er programming. Modern computers have the ability to follow generalized s...

                              ^^

Line 4, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ogramming. Modern computers have the ability to follow generalized sets ...

                              ^^

Line 4, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Modern computers have the ability to follow generalized sets of opera...

                              ^^

Line 4, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...odern computers have the ability to follow generalized sets of operation...

                              ^^

Line 4, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputers have the ability to follow generalized sets of operations, call...

                              ^^

Line 4, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e the ability to follow generalized sets of operations, called programs. ...

                              ^^

Line 4, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... ability to follow generalized sets of operations, called programs. These ...

^^

Line 4, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ility to follow generalized sets of operations, called programs. These pro...

^^

Line 4, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...llow generalized sets of operations, called programs. These programs enable...

^^

Line 5, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of operations, called programs. These programs enable computers to perform...

^^

Line 5, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tions, called programs. These programs enable computers to perform an extr...

^^

Line 5, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...called programs. These programs enable computers to perform an extremely w...

^^

Line 5, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rams. These programs enable computers to perform an extremely wide range ...

^^

Line 5, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... These programs enable computers to perform an extremely wide range of ...

^^

Line 5, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...programs enable computers to perform an extremely wide range of tasks. ...

^^

Line 5, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rams enable computers to perform an extremely wide range of tasks. A "...

^^

Line 5, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e computers to perform an extremely wide range of tasks. A "complete" ...

^^

Line 5, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puters to perform an extremely wide range of tasks. A "complete" comput...

                        ^^

Line 6, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to perform an extremely wide range of tasks. A "complete" computer inc...

                        ^^

Line 6, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... perform an extremely wide range of tasks. A "complete" computer includi...

                        ^^

Line 6, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n extremely wide range of tasks. A "complete" computer including the har...

                        ^^

Line 6, column 23, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... extremely wide range of tasks. A "complete" computer including the hard...

                        ^

Line 6, column 32, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...y wide range of tasks. A "complete" computer including the hardware, th...

^

Line 6, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... wide range of tasks. A "complete" computer including the hardware, the ...

^^

Line 6, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nge of tasks. A "complete" computer including the hardware, the operating ...

^^

Line 6, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sks. A "complete" computer including the hardware, the operating system (ma...

^^

Line 6, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ete" computer including the hardware, the operating system (main software), a...

^^

Line 6, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... including the hardware, the operating system (main software), and peripheral e...

                              ^^

Line 7, column 72, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...ipheral equipment required and used for "full" operation can be referred to as a...

                              ^

Line 7, column 77, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...al equipment required and used for "full" operation can be referred to as a comp...

                              ^

Line 7, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t required and used for "full" operation can be referred to as a computer system....

                              ^^

Line 8, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... term may as well be used for a group of computers that are connected and wo...

                              ^^

Line 9, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s well be used for a group of computers that are connected and work togethe...

                                    ^^

Line 9, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... be used for a group of computers that are connected and work together, in...

                                              ^^

Line 9, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sed for a group of computers that are connected and work together, in par...

                                          ^^

Line 9, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...roup of computers that are connected and work together, in particular a ...

                                          ^^

Line 9, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of computers that are connected and work together, in particular a compu...

                                              ^^

Line 9, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mputers that are connected and work together, in particular a computer n...

^^

Line 9, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...at are connected and work together, in particular a computer network or c...

^^

Line 9, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...are connected and work together, in particular a computer network or compu...

^^

Line 9, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed and work together, in particular a computer network or computer cluster....

^^

Line 9, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...k together, in particular a computer network or computer cluster. Computers a...

^^

Line 10, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed as control systems for a wide variety of industrial and consumer devices. Th...

^^

Line 11, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wide variety of industrial and consumer devices. This includes simple specia...

                        ^^

Line 11, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... industrial and consumer devices. This includes simple special purpose devi...

                        ^^

Line 11, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l and consumer devices. This includes simple special purpose devices like ...

                          ^^

Line 11, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nsumer devices. This includes simple special purpose devices like microwav...

                          ^^

Line 11, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...evices. This includes simple special purpose devices like microwaveovens an...

                          ^^

Line 11, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...This includes simple special purpose devices like microwaveovens and remote ...

                    ^^

Line 11, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ludes simple special purpose devices like microwaveovens and remote controls...

                  ^^

Line 12, column 6, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: microwave ovens

...simple special purpose devices like microwaveovens and remote controls, factory devices...

                     ^^^^^^^^^^^^^

Line 12, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... devices like microwaveovens and remote controls, factory devices such as in...

                 ^^

Line 12, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ike microwaveovens and remote controls, factory devices such as industrial r...

                 ^^

Line 12, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...waveovens and remote controls, factory devices such as industrial robots and...

^^

Line 12, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... and remote controls, factory devices such as industrial robots and computer...

^^

Line 12, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...emote controls, factory devices such as industrial robots and computer-aided...

^^

Line 12, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., factory devices such as industrial robots and computer-aided design, and ...

^^

Line 13, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...as industrial robots and computer-aided design, and also general purpose de...

^^

Line 13, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rial robots and computer-aided design, and also general purpose devices li...

        ^^

Line 13, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... robots and computer-aided design, and also general purpose devices like pe...

        ^^

Line 13, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s and computer-aided design, and also general purpose devices like personal...

        ^^

Line 13, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter-aided design, and also general purpose devices like personal compute...

        ^^

Line 13, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed design, and also general purpose devices like personal computers and mo...

        ^^

Line 13, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n, and also general purpose devices like personal computers and mobile devi...

^^

Line 13, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...general purpose devices like personal computers and mobile devices such as sma...

                          ^^

Line 14, column 38, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: smart phones

...l computers and mobile devices such as smartphones. The Internet is run on computers and ...

                          ^^^^^^^^^

Line 14, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...phones. The Internet is run on computers and it connects hundreds of millions of ...

                          ^^

Line 16, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... other computers and their users. Early computers were only conceived as ca...

                          ^^

Line 16, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uters and their users. Early computers were only conceived as calculating ...

                          ^^

Line 16, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and their users. Early computers were only conceived as calculating device...

                        ^^

Line 16, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eir users. Early computers were only conceived as calculating devices. Si...

                        ^^

Line 16, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Early computers were only conceived as calculating devices. Since ancien...

                           ^^

Line 16, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ly computers were only conceived as calculating devices. Since ancient t...

                        ^^

Line 16, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... were only conceived as calculating devices. Since ancient times, simple ...

                           ^^

Line 16, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ceived as calculating devices. Since ancient times, simple manual devices li...

                              ^^

Line 16, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s calculating devices. Since ancient times, simple manual devices like the ab...

                              ^^

Line 17, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ided people in doing calculations. Early in the Industrial Revolution, some m...

                              ^^

Line 18, column 3, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... people in doing calculations. Early in the Industrial Revolution, some mecha...

                              ^^

Line 18, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... calculations. Early in the Industrial Revolution, some mechanical devices ...

                              ^^

Line 18, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Early in the Industrial Revolution, some mechanical devices were built ...

                                    ^^

Line 18, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y in the Industrial Revolution, some mechanical devices were built to au...

                                    ^^

Line 18, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ndustrial Revolution, some mechanical devices were built to automate long...

                                    ^^

Line 18, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Revolution, some mechanical devices were built to automate long tedious...

                                    ^^

Line 18, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lution, some mechanical devices were built to automate long tedious task...

                                    ^^

Line 18, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... some mechanical devices were built to automate long tedious tasks, suc...

                              ^^

Line 18, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...me mechanical devices were built to automate long tedious tasks, such a...

                              ^^

Line 18, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ical devices were built to automate long tedious tasks, such as guiding...

                              ^^

Line 18, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...devices were built to automate long tedious tasks, such as guiding patt...

                              ^^

Line 19, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...were built to automate long tedious tasks, such as guiding patterns for...

                              ^^

Line 19, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ilt to automate long tedious tasks, such as guiding patterns for looms. ...

```
                              ^^
```

Line 19, column 22, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o automate long tedious tasks, such as guiding patterns for looms. More ...

```
                          ^^
```

Line 19, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...utomate long tedious tasks, such as guiding patterns for looms. More sop...

```
                      ^^
```

Line 19, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...long tedious tasks, such as guiding patterns for looms. More sophisticate...

```
                      ^^
```

Line 19, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ous tasks, such as guiding patterns for looms. More sophisticated electri...

```
                      ^^
```

Line 19, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... as guiding patterns for looms. More sophisticated electrical machines did s...

```
                      ^^
```

Line 19, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...atterns for looms. More sophisticated electrical machines did specialized anal...

                              ^^

Line 20, column 25, Rule ID: DID_BASEFORM[1]

Message: The verb 'did' requires the base form of the verb: 'specialize'

Suggestion: specialize

... sophisticated electrical machines did specialized analog calculations in the early 20th c...

                              ^^^^^^^^^^

Line 20, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...culations in the early 20th century. The first digital electronic calculating mac...

                              ^^

Line 21, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... were developed during World War II. The first semiconductor transistors in the ...

                              ^^

Line 22, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... The first semiconductor transistors in the late 1940s were followed by th...

                              ^^

Line 22, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... first semiconductor transistors in the late 1940s were followed by the sil...

^^

Line 22, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... semiconductor transistors in the late 1940s were followed by the silicon- ...

^^

Line 22, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nductor transistors in the late 1940s were followed by the silicon- based M...

^^

Line 22, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r transistors in the late 1940s were followed by the silicon- based MOSFET ...

^^

Line 22, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ors in the late 1940s were followed by the silicon- based MOSFET (MOS tran...

^^

Line 22, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...in the late 1940s were followed by the silicon- based MOSFET (MOS transist...

                              ^^

Line 23, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...owed by the silicon- based MOSFET (MOS transistor) and monolithic integrated ...

                              ^^

Line 23, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... silicon- based MOSFET (MOS transistor) and monolithic integrated circuit (IC)...

                              ^^

Line 23, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...MOSFET (MOS transistor) and monolithic integrated circuit (IC) chip technolo...

                              ^^

Line 23, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... transistor) and monolithic integrated circuit (IC) chip technologies in the ...

                              ^^

Line 23, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and monolithic integrated circuit (IC) chip technologies in the late 1950s, le...

                              ^^

Line 23, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nolithic integrated circuit (IC) chip technologies in the late 1950s, leading ...

                          ^^

Line 24, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...the microprocessor and the microcomputer revolution in the 1970s. The speed, ...

                          ^^

Line 25, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sor and the microcomputer revolution in the 1970s. The speed, power and ve...

                          ^^

Line 25, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nd the microcomputer revolution in the 1970s. The speed, power and versati...

                          ^^

Line 25, column 29, Rule ID: ENGLISH_WORD_REPEAT_BEGINNING_RULE

Message: Three successive sentences begin with the same word. Reword the sentence or use a thesaurus to find a synonym.

...rocomputer revolution in the 1970s. The speed, power and versatility of c...

                          ^^^

Line 25, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer revolution in the 1970s. The speed, power and versatility of com...

^^

Line 25, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... revolution in the 1970s. The speed, power and versatility of computers ...

^^

Line 25, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tion in the 1970s. The speed, power and versatility of computers have b...

^^

Line 25, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...in the 1970s. The speed, power and versatility of computers have been ...

^^

Line 25, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s. The speed, power and versatility of computers have been increasing d...

^^

Line 25, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...The speed, power and versatility of computers have been increasing drama...

                        ^^

Line 25, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... power and versatility of computers have been increasing dramatically ev...

                        ^^

Line 25, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r and versatility of computers have been increasing dramatically ever si...

                        ^^

Line 25, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... versatility of computers have been increasing dramatically ever since t...

                        ^^

Line 26, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y of computers have been increasing dramatically ever since then, with M...

                        ^^

Line 26, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rs have been increasing dramatically ever since then, with MOS transistor...

                          ^^

Line 26, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ve been increasing dramatically ever since then, with MOS transistor coun...

                          ^^

Line 26, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n increasing dramatically ever since then, with MOS transistor counts incr...

                          ^^

Line 26, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...easing dramatically ever since then, with MOS transistor counts increasing ...

                          ^^

Line 26, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...amatically ever since then, with MOS transistor counts increasing at a ra...

                          ^^

Line 26, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ever since then, with MOS transistor counts increasing at a rapid pace (as...

^^

Line 26, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... with MOS transistor counts increasing at a rapid pace (as predicted by Moore...

^^

Line 26, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...h MOS transistor counts increasing at a rapid pace (as predicted by Moore's l...

^^

Line 26, column 93, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...OS transistor counts increasing at a rapid pace (as predicted by Moore's law)...

^^

Line 27, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ing to the Digital Revolution during the late 20th to early 21st centuries.Conven...

^^

Line 28, column 35, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: Conventionally

... the late 20th to early 21st centuries.Conventionally, a modern computer consists of at least...

^^^^^^^^^^^^^

Line 28, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., a modern computer consists of at least one processing element, typically a cent...

                                   ^^

Line 30, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...xide-semiconductor (MOS) microprocessor, along with some type of computer me...

                           ^^

Line 30, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...miconductor (MOS) microprocessor, along with some type of computer memory, t...

                           ^^

Line 30, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uctor (MOS) microprocessor, along with some type of computer memory, typical...

                           ^^

Line 30, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...(MOS) microprocessor, along with some type of computer memory, typically MOS...

                           ^^

Line 30, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...microprocessor, along with some type of computer memory, typically MOS semic...

                ^^

Line 30, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r, along with some type of computer memory, typically MOS semiconductor memo...

                ^^

Line 31, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ry chips. The processing element carries out arithmetic and logical operations, a...

                ^^

Line 32, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...quencing and control unit can change the order of operations in response to store...

                ^^

Line 33, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mation. Peripheral devices include input devices (keyboards, mice, joystick, ...

                ^^

Line 34, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eripheral devices include input devices (keyboards, mice, joystick, etc.), o...

                           ^^

Line 34, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ices include input devices (keyboards, mice, joystick, etc.), output device...

                           ^^

Line 34, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...clude input devices (keyboards, mice, joystick, etc.), output devices (mon...

                           ^^

Line 34, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... devices (keyboards, mice, joystick, etc.), output devices (monitor scree...

                           ^^

Line 34, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s (keyboards, mice, joystick, etc.), output devices (monitor screens, pri...

                           ^^

Line 34, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...oards, mice, joystick, etc.), output devices (monitor screens, printers, ...

          ^^

Line 34, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ice, joystick, etc.), output devices (monitor screens, printers, etc.), a...

          ^^

Line 34, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tick, etc.), output devices (monitor screens, printers, etc.), and input/...

          ^^

Line 34, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

....), output devices (monitor screens, printers, etc.), and input/output de...

          ^^

Line 34, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... devices (monitor screens, printers, etc.), and input/output devices that...

          ^^

Line 35, column 7, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s (monitor screens, printers, etc.), and input/output devices that perfor...

^^

Line 35, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...onitor screens, printers, etc.), and input/output devices that perform bo...

^^

Line 35, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s, printers, etc.), and input/output devices that perform both functions ...

^^

Line 35, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ers, etc.), and input/output devices that perform both functions (e.g., ...

^^

Line 35, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...etc.), and input/output devices that perform both functions (e.g., the 2...

^^

Line 35, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nd input/output devices that perform both functions (e.g., the 2000s- era...

^^

Line 35, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...put/output devices that perform both functions (e.g., the 2000s- era touch...

^^

Line 35, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... devices that perform both functions (e.g., the 2000s- era touchscreen). Pe...

^^

Line 35, column 75, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... that perform both functions (e.g., the 2000s- era touchscreen). Peripheral...

^^

Line 35, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t perform both functions (e.g., the 2000s- era touchscreen). Peripheral devi...

^^

Line 36, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rmation to be retrieved from an external source and they enable the result of ope...

^^

Line 38, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d and retrieved. First computing device Charles Babbage, an English mechanical e...

                 ^^

Line 39, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...al engineer and polymath, originated the concept of a programmable computer. Cons...

                 ^^

Line 40, column 52, Rule ID: EN_UNPAIRED_BRACKETS

Message: Unpaired symbol: '"' seems to be missing

...a programmable computer. Considered the "father of the computerâ€•, he conceptuali...

               ^

Line 40, column 52, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...a programmable computer. Considered the "father of the computerâ€•, he conceptuali...

               ^

Line 40, column 75, Rule ID: EN_UNPAIRED_BRACKETS

Message: Unpaired symbol: 'â€œ' seems to be missing

.... Considered the "father of the computerâ€•, he conceptualized and invented the fi...

               ^

Line 40, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sidered the "father of the computerâ€•, he conceptualized and invented the first me...

^^

Line 42, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... engine, designed to aid in navigational calculations, in 1833 he realized t...

^^

Line 43, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed to aid in navigational calculations, in 1833 he realized that a much m...

^^

Line 43, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o aid in navigational calculations, in 1833 he realized that a much more ...

^^

Line 43, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...in navigational calculations, in 1833 he realized that a much more gener...

^^

Line 43, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...avigational calculations, in 1833 he realized that a much more general ...

^^

Line 43, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l calculations, in 1833 he realized that a much more general design, a...

^^

Line 43, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...culations, in 1833 he realized that a much more general design, an Anal...

^^

Line 43, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ations, in 1833 he realized that a much more general design, an Analyti...

^^

Line 43, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., in 1833 he realized that a much more general design, an Analytical E...

^^

Line 43, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... 1833 he realized that a much more general design, an Analytical Engine,...

^^

Line 43, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... realized that a much more general design, an Analytical Engine, was po...

                        ^^

Line 43, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d that a much more general design, an Analytical Engine, was possible. ...

                       ^^

Line 43, column 82, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Analytic; Analytically; Analogical

...at a much more general design, an Analytical Engine, was possible. The input o...

                              ^^^^^^^^^^

Line 43, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...h more general design, an Analytical Engine, was possible. The input of ...

                       ^^

Line 44, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...general design, an Analytical Engine, was possible. The input of programs...

                       ^^

Line 44, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...al design, an Analytical Engine, was possible. The input of programs and...

           ^^

Line 44, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Analytical Engine, was possible. The input of programs and data was to ...

           ^^

Line 44, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cal Engine, was possible. The input of programs and data was to be pr...

           ^^

Line 44, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Engine, was possible. The input of programs and data was to be provid...

           ^^

Line 44, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...was possible. The input of programs and data was to be provided to th...

           ^^

Line 44, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...possible. The input of programs and data was to be provided to the mac...

        ^^

Line 44, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...le. The input of programs and data was to be provided to the machine ...

        ^^

Line 44, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...The input of programs and data was to be provided to the machine via p...

        ^^

Line 44, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... input of programs and data was to be provided to the machine via punch...

        ^^

Line 44, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ut of programs and data was to be provided to the machine via punched ...

        ^^

Line 44, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ograms and data was to be provided to the machine via punched cards, a ...

                          ^^

Line 44, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ms and data was to be provided to the machine via punched cards, a met...

                          ^^

Line 44, column 101, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... was to be provided to the machine via punched cards, a method being u...

                          ^^

Line 44, column 114, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... provided to the machine via punched cards, a method being used at the ...

                          ^^

Line 44, column 122, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed to the machine via punched cards, a method being used at the time t...

                          ^^

Line 44, column 125, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to the machine via punched cards, a method being used at the time to ...

^^

Line 44, column 133, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... machine via punched cards, a method being used at the time to direct ...

^^

Line 44, column 140, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e via punched cards, a method being used at the time to direct mechani...

^^

Line 44, column 146, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... punched cards, a method being used at the time to direct mechanical lo...

^^

Line 44, column 150, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ched cards, a method being used at the time to direct mechanical looms ...

^^

Line 44, column 155, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... cards, a method being used at the time to direct mechanical looms such ...

^^

Line 44, column 161, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., a method being used at the time to direct mechanical looms such as the...

                          ^^

Line 44, column 165, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... method being used at the time to direct mechanical looms such as the Jac...

                          ^^

Line 44, column 173, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... being used at the time to direct mechanical looms such as the Jacquard lo...

                          ^^

Line 45, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...om. For output, the machine would have a printer, a curve plotter and a bell. The...

                          ^^

Line 46, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hine would also be able to punch numbers onto cards to be read in later. The Engi...

                          ^^

Line 47, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...orated an arithmetic logic unit, control flow in the form of conditional branchin...

                            ^^

Line 48, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... loops, and integrated memory, making it the first design for a general-purpose c...

                            ^^

Line 49, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... that could be described in modern terms as Turing-complete. Analog computers D...

                            ^^

Line 51, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s as Turing-complete. Analog computers During the first half of the 20th centur...

                            ^^

Line 52, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ry, many scientific computing needs were met by increasingly sophisticated analog...

                            ^^

Line 53, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uters, which used a direct mechanical or electrical model of the problem as a bas...

                        ^^

Line 54, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...for computation. However, these were not programmable and generally lacked th...

                        ^^

Line 55, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n. However, these were not programmable and generally lacked the versatility...

                        ^^

Line 55, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wever, these were not programmable and generally lacked the versatility and...

                        ^^

Line 55, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e were not programmable and generally lacked the versatility and accuracy ...

                        ^^

Line 55, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ot programmable and generally lacked the versatility and accuracy of mod...

                              ^^

Line 55, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rogrammable and generally lacked the versatility and accuracy of modern ...

                              ^^

Line 55, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and generally lacked the versatility and accuracy of modern digital comp...

                              ^^

Line 55, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...generally lacked the versatility and accuracy of modern digital computers...

                              ^^

Line 55, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... lacked the versatility and accuracy of modern digital computers. The firs...

                              ^^

Line 55, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ked the versatility and accuracy of modern digital computers. The first mo...

^^

Line 55, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... versatility and accuracy of modern digital computers. The first modern ana...

^^

Line 55, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lity and accuracy of modern digital computers. The first modern analog compu...

^^

Line 56, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... was a tide-predicting machine, invented by Sir William Thomson in 1872. The ...

^^

Line 57, column 7, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ide-predicting machine, invented by Sir William Thomson in 1872. The differen...

^^

Line 57, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cting machine, invented by Sir William Thomson in 1872. The differential ana...

^^

Line 57, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e, invented by Sir William Thomson in 1872. The differential analyser, a m...

           ^^

Line 57, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...iam Thomson in 1872. The differential analyser, a mechanical analog comput...

           ^^

Line 57, column 55, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: analyses; analyzer

...m Thomson in 1872. The differential analyser, a mechanical analog computer desig...

           ^^^^^^^

Line 57, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n in 1872. The differential analyser, a mechanical analog computer designed...

           ^^

Line 57, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n 1872. The differential analyser, a mechanical analog computer designed to...

           ^^

Line 57, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e differential analyser, a mechanical analog computer designed to solve diffe...

^^

Line 57, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ential analyser, a mechanical analog computer designed to solve differential ...

^^

Line 58, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ions by integration using wheel-and-disc mechanisms, was conceptualized in 1876 b...

^^

Line 59, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y James Thomson, the brother of the more famous Lord Kelvin. Vacuum tubes and di...

^^

Line 61, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...um tubes and digital electronic circuits Purely electronic circuit elements soo...

^^

Line 62, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l electronic circuits Purely electronic circuit elements soon replaced their ...

                              ^^

Line 62, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...its Purely electronic circuit elements soon replaced their mechanical and ...

                              ^^

Line 62, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...urely electronic circuit elements soon replaced their mechanical and electr...

                              ^^

Line 62, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tronic circuit elements soon replaced their mechanical and electromechanica...

                              ^^

Line 62, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... circuit elements soon replaced their mechanical and electromechanical equiv...

                              ^^

Line 62, column 71, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ments soon replaced their mechanical and electromechanical equivalents, at t...

^^

Line 62, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... soon replaced their mechanical and electromechanical equivalents, at the sa...

^^

Line 63, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...soon replaced their mechanical and electromechanical equivalents, at the same time that digi...

^^^^^^^^^^^^^^^

Line 64, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ost Office Research Station in London in the 1930s, began to explore the possible...

^^

Line 66, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...or the telephone exchange. Experimental equipment that he built in 1934 we...

^^

Line 66, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...phone exchange. Experimental equipment that he built in 1934 went into o...

^^

Line 66, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...exchange. Experimental equipment that he built in 1934 went into operati...

                              ^^

Line 66, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ange. Experimental equipment that he built in 1934 went into operation ...

                              ^^

Line 66, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Experimental equipment that he built in 1934 went into operation five y...

                              ^^

Line 66, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rimental equipment that he built in 1934 went into operation five years...

                              ^^

Line 66, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...al equipment that he built in 1934 went into operation five years late...

                              ^^

Line 66, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uipment that he built in 1934 went into operation five years later, co...

^^

Line 66, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t that he built in 1934 went into operation five years later, converti...

^^

Line 66, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... built in 1934 went into operation five years later, converting a port...

^^

Line 66, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t in 1934 went into operation five years later, converting a portion o...

^^

Line 66, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...1934 went into operation five years later, converting a portion of the ...

^^

Line 66, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nt into operation five years later, converting a portion of the telephon...

                              ^^

Line 67, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eration five years later, converting a portion of the telephone exchange ...

                              ^^

Line 67, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tion five years later, converting a portion of the telephone exchange net...

                              ^^

Line 67, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e years later, converting a portion of the telephone exchange network int...

                              ^^

Line 67, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ears later, converting a portion of the telephone exchange network into a...

                              ^^

Line 67, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...onverting a portion of the telephone exchange network into an electronic ...

                     ^^

Line 67, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ion of the telephone exchange network into an electronic data processing ...

                   ^^

Line 67, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f the telephone exchange network into an electronic data processing system...

                   ^^

Line 67, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he telephone exchange network into an electronic data processing system, u...

                   ^^

Line 67, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... exchange network into an electronic data processing system, using thousa...

                   ^^

Line 67, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ange network into an electronic data processing system, using thousands o...

      ^^

Line 68, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... into an electronic data processing system, using thousands of vacuum tu...

      ^^

Line 68, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n electronic data processing system, using thousands of vacuum tubes. In ...

      ^^

Line 68, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tronic data processing system, using thousands of vacuum tubes. In the US...

      ^^

Line 68, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...a processing system, using thousands of vacuum tubes. In the US, John Vin...

      ^^

Line 68, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ng system, using thousands of vacuum tubes. In the US, John Vincent Atana...

      ^^

Line 68, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... using thousands of vacuum tubes. In the US, John Vincent Atanasoff and Cl...

^^

Line 68, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ng thousands of vacuum tubes. In the US, John Vincent Atanasoff and Cliffor...

^^

Line 68, column 75, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nds of vacuum tubes. In the US, John Vincent Atanasoff and Clifford E. Ber...

^^

Line 68, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...acuum tubes. In the US, John Vincent Atanasoff and Clifford E. Berry of Io...

^^

Line 69, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...uum tubes. In the US, John Vincent Atanasoff and Clifford E. Berry of Iowa State...

^^^^^^^^

Line 69, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...S, John Vincent Atanasoff and Clifford E. Berry of Iowa State University d...

                      ^^

Line 69, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ohn Vincent Atanasoff and Clifford E. Berry of Iowa State University devel...

                      ^^

Line 69, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nt Atanasoff and Clifford E. Berry of Iowa State University developed and ...

                      ^^

Line 69, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...anasoff and Clifford E. Berry of Iowa State University developed and teste...

                      ^^

Line 69, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... and Clifford E. Berry of Iowa State University developed and tested the ...

                      ^^

Line 69, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d E. Berry of Iowa State University developed and tested the Atanasoffâ€"Be...

^^

Line 69, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y of Iowa State University developed and tested the Atanasoffâ€"Berry Comput...

^^

Line 69, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Iowa State University developed and tested the Atanasoffâ€"Berry Computer (A...

^^

Line 69, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tate University developed and tested the Atanasoffâ€"Berry Computer (ABC) in ...

^^

Line 70, column 5, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...University developed and tested the Atanasoffâ€"Berry Computer (ABC) in 1942, the f...

^^^^^^^

Line 70, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eloped and tested the Atanasoffâ€"Berry Computer (ABC) in 1942, the first "a...

^^

Line 70, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ted the Atanasoffâ€"Berry Computer (ABC) in 1942, the first "automatic electr...

                         ^^

Line 70, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the Atanasoffâ€"Berry Computer (ABC) in 1942, the first "automatic electronic...

                         ^^

Line 70, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...offâ€"Berry Computer (ABC) in 1942, the first "automatic electronic digital ...

                         ^^

Line 70, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ry Computer (ABC) in 1942, the first "automatic electronic digital compute...

                         ^^

Line 70, column 60, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... Computer (ABC) in 1942, the first "automatic electronic digital computer...

                         ^

Line 70, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... (ABC) in 1942, the first "automatic electronic digital computer". This des...

                  ^^

Line 70, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...1942, the first "automatic electronic digital computer". This design was also...

                  ^^

Line 70, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... first "automatic electronic digital computer". This design was also all-elec...

                  ^^

Line 71, column 9, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...automatic electronic digital computer". This design was also all-electronic an...

                  ^

Line 71, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ic and used about 300 vacuum tubes, with capacitors fixed in a mechanically rotat...

                  ^^

Line 72, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... mechanically rotating drum for memory.   Modern computers Concept of modern compu...

         ^^

Line 73, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ern computers Concept of modern computer The principle of the modern compute...

         ^^

Line 74, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputers Concept of modern computer The principle of the modern computer wa...

         ^^

Line 74, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ncept of modern computer The principle of the modern computer was proposed...

         ^^

Line 74, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t of modern computer The principle of the modern computer was proposed by...

         ^^

Line 74, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...modern computer The principle of the modern computer was proposed by Alan...

                            ^^

Line 74, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer The principle of the modern computer was proposed by Alan Turing...

                                ^^

Line 74, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he principle of the modern computer was proposed by Alan Turing in his ...

                                    ^^

Line 74, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rinciple of the modern computer was proposed by Alan Turing in his semin...

                                        ^^

Line 74, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of the modern computer was proposed by Alan Turing in his seminal 1936 pa...

                                            ^^

Line 74, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...modern computer was proposed by Alan Turing in his seminal 1936 paper, On C...

```
                              ^^
```

Line 74, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter was proposed by Alan Turing in his seminal 1936 paper, On Computable N...

```
                              ^^
```

Line 74, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... was proposed by Alan Turing in his seminal 1936 paper, On Computable Number...

```
                              ^^
```

Line 75, column 24, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Commutable

... Turing in his seminal 1936 paper, On Computable Numbers. Turing proposed a simple devic...

```
                      ^^^^^^^^^
```

Line 75, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rs. Turing proposed a simple device that he called "Universal Computing machine" ...

```
                              ^^
```

Line 76, column 11, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...roposed a simple device that he called "Universal Computing machine" and that is...

```
                              ^
```

Line 76, column 39, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

... he called "Universal Computing machine" and that is now known as a universal Tu...

                              ^

Line 76, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... that is now known as a universal Turing machine. He proved that such a machine i...

                              ^^

Line 77, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...is capable of computing anything that is computable by executing instructions (pr...

                              ^^

Line 78, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: commutable

... capable of computing anything that is computable by executing instructions (program) sto...

                              ^^^^^^^^^^

Line 78, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... stored on tape, allowing the machine to be programmable. The fundamental concept...

                              ^^

Line 79, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f Turing's design is the stored program, where all the instructions for comp...

^^

Line 80, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g's design is the stored program, where all the instructions for computing ...

^^

Line 80, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...esign is the stored program, where all the instructions for computing are ...

^^

Line 80, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... is the stored program, where all the instructions for computing are store...

^^

Line 80, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... program, where all the instructions for computing are stored in memory....

^^

Line 80, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ram, where all the instructions for computing are stored in memory. Von ...

                               ^^

Line 80, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... all the instructions for computing are stored in memory. Von Neumann ac...

                               ^^

Line 80, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the instructions for computing are stored in memory. Von Neumann acknowl...

                               ^^

Line 80, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nstructions for computing are stored in memory. Von Neumann acknowledged th...

                               ^^

Line 80, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uctions for computing are stored in memory. Von Neumann acknowledged that t...

                               ^^

Line 80, column 73, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: On; Won; Non; Son; Van; Ton; Ion; Jon; Con; Avon; Vow; Mon; Lon; VOA; Eon; Ron; Don; Hon; ON; Vol; Yon; V or

...or computing are stored in memory. Von Neumann acknowledged that the central ...

^^^

Line 80, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computing are stored in memory. Von Neumann acknowledged that the central co...

^^

Line 81, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Newman

...omputing are stored in memory. Von Neumann acknowledged that the central concept o...

^^^^^^

Line 81, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...oncept of the modern computer was due to this paper. Turing machines are to ...

^^

Line 82, column 5, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the modern computer was due to this paper. Turing machines are to this ...

^^

Line 82, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...computer was due to this paper. Turing machines are to this day a central...

^^

Line 82, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...as due to this paper. Turing machines are to this day a central object ...

                              ^^

Line 82, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e to this paper. Turing machines are to this day a central object of s...

                              ^^

Line 82, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... this paper. Turing machines are to this day a central object of study...

                              ^^

Line 82, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... paper. Turing machines are to this day a central object of study in t...

                              ^^

Line 82, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er. Turing machines are to this day a central object of study in theory...

                              ^^

Line 82, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Turing machines are to this day a central object of study in theory o...

^^

Line 82, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...machines are to this day a central object of study in theory of comput...

^^

Line 82, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... are to this day a central object of study in theory of computation. E...

^^

Line 82, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e to this day a central object of study in theory of computation. Excep...

^^

Line 82, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...this day a central object of study in theory of computation. Except for t...

^^

Line 82, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...a central object of study in theory of computation. Except for the limitati...

^^

Line 82, column 96, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...entral object of study in theory of computation. Except for the limitations ...

^^

Line 83, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed by their finite memory stores, modern computers are said to be Turing-comp...

^^

Line 84, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... finite memory stores, modern computers are said to be Turing-complete, whic...

^^

Line 84, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...te memory stores, modern computers are said to be Turing-complete, which is...

^^

Line 84, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ory stores, modern computers are said to be Turing-complete, which is to ...

                                      ^^

Line 84, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...stores, modern computers are said to be Turing-complete, which is to say,...

                                      ^^

Line 84, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ters are said to be Turing-complete, which is to say, they have algorith...

                                      ^^

Line 84, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...re said to be Turing-complete, which is to say, they have algorithm execu...

                                      ^^

Line 84, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...said to be Turing-complete, which is to say, they have algorithm execution...

                                      ^^

Line 84, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to be Turing-complete, which is to say, they have algorithm execution cap...

^^

Line 84, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...be Turing-complete, which is to say, they have algorithm execution capabilit...

^^

Line 84, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ing-complete, which is to say, they have algorithm execution capability equi...

^^

Line 86, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...versal Turing machine. Stored programs Early computing machines had fixed progr...

^^

Line 87, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...programs. Changing its function required the re-wiring and re-structuring of ...

^^

Line 88, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ams. Changing its function required the re-wiring and re-structuring of the ...

^^

Line 88, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ng its function required the re-wiring and re-structuring of the machine.[3...

^^

Line 88, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s function required the re-wiring and re-structuring of the machine.[30] Wi...

^^

Line 88, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...red the re-wiring and re-structuring of the machine.[30] With the proposa...

^^

Line 88, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the re-wiring and re-structuring of the machine.[30] With the proposal o...

^^

Line 88, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... re-wiring and re-structuring of the machine.[30] With the proposal of th...

^^

Line 88, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...-structuring of the machine.[30] With the proposal of the stored- program ...

^^

Line 88, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cturing of the machine.[30] With the proposal of the stored- program comp...

^^

Line 88, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f the machine.[30] With the proposal of the stored- program computer this...

^^

Line 88, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he machine.[30] With the proposal of the stored- program computer this ch...

^^

Line 88, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...achine.[30] With the proposal of the stored- program computer this changed...

^^

Line 89, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the proposal of the stored- program computer this changed. A stored-prog...

                                  ^^

Line 89, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...osal of the stored- program computer this changed. A stored-program compu...

                                  ^^

Line 89, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of the stored- program computer this changed. A stored-program computer i...

                                  ^^

Line 89, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed- program computer this changed. A stored-program computer includes by ...

                                  ^^

Line 89, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter this changed. A stored-program computer includes by design an instr...

                                  ^^

Line 89, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s changed. A stored-program computer includes by design an instruction set...

                         ^^

Line 89, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... A stored-program computer includes by design an instruction set and can s...

                         ^^

Line 89, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... stored-program computer includes by design an instruction set and can store...

                         ^^

Line 89, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...-program computer includes by design an instruction set and can store in memo...

                         ^^

Line 90, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of instructions (a program) that details the computation.   Transistors Compared...

                         ^^

Line 91, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...program) that details the computation.   Transistors Compared to vacuum tubes...

                                ^^

Line 92, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... details the computation.   Transistors Compared to vacuum tubes, transistor...

                                ^^

Line 93, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...the computation.   Transistors Compared to vacuum tubes, transistors have m...

                                  ^^

Line 93, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...computation.   Transistors Compared to vacuum tubes, transistors have many ...

                                      ^^

Line 93, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ion.   Transistors Compared to vacuum tubes, transistors have many advanta...

                              ^^

Line 93, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ransistors Compared to vacuum tubes, transistors have many advantages: th...

^^

Line 93, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ompared to vacuum tubes, transistors have many advantages: they are smal...

                              ^^

Line 93, column 48, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d to vacuum tubes, transistors have many advantages: they are smaller, a...

                                ^^

Line 93, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... vacuum tubes, transistors have many advantages: they are smaller, and req...

                                  ^^

Line 93, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s, transistors have many advantages: they are smaller, and require less pow...

                                  ^^

Line 93, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ansistors have many advantages: they are smaller, and require less power tha...

                                  ^^

Line 93, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tors have many advantages: they are smaller, and require less power than vac...

              ^^

Line 94, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...m tubes, so give off less heat. Junction transistors were much more reliable ...

              ^^

Line 95, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ff less heat. Junction transistors were much more reliable than vacuum tube...

              ^^

Line 95, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s heat. Junction transistors were much more reliable than vacuum tubes and...

              ^^

Line 95, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Junction transistors were much more reliable than vacuum tubes and had ...

              ^^

Line 95, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... transistors were much more reliable than vacuum tubes and had longer, ...

                    ^^

Line 95, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sistors were much more reliable than vacuum tubes and had longer, indefi...

                    ^^

Line 95, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...were much more reliable than vacuum tubes and had longer, indefinite, s...

                    ^^

Line 95, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uch more reliable than vacuum tubes and had longer, indefinite, service ...

                    ^^

Line 95, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...more reliable than vacuum tubes and had longer, indefinite, service life....

                    ^^

Line 95, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... reliable than vacuum tubes and had longer, indefinite, service life. Tran...

                              ^^

Line 95, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... than vacuum tubes and had longer, indefinite, service life. Transistorize...

                              ^^

Line 95, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...m tubes and had longer, indefinite, service life. Transistorized computers c...

                              ^^

Line 96, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ontain tens of thousands of binary logic circuits in a relatively compact space. ...

                              ^^

Line 97, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rly junction transistors were relatively bulky devices that were difficult t...

                              ^^

Line 98, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ction transistors were relatively bulky devices that were difficult to manu...

                      ^^

Line 98, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nsistors were relatively bulky devices that were difficult to manufacture ...

                      ^^

Line 98, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rs were relatively bulky devices that were difficult to manufacture on a ...

                      ^^

Line 98, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e relatively bulky devices that were difficult to manufacture on a mass-p...

                      ^^

Line 98, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y bulky devices that were difficult to manufacture on a mass-production b...

                      ^^

Line 98, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ulky devices that were difficult to manufacture on a mass-production basis...

```
                          ^^
```

Line 98, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... that were difficult to manufacture on a mass-production basis, which lim...

```
                              ^^
```

Line 98, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...at were difficult to manufacture on a mass-production basis, which limited...

```
                          ^^
```

Line 98, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...anufacture on a mass-production basis, which limited them to a number of speci...

```
                          ^^
```

Line 98, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ure on a mass-production basis, which limited them to a number of specialised ...

```
                          ^^
```

Line 99, column 29, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: specialized

...is, which limited them to a number of specialised applications.   Integrated circuits Th...

```
                          ^^^^^^^^^^
```

Line 99, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o a number of specialised applications.   Integrated circuits The idea of the int...

                          ^^

Line 100, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ised applications.   Integrated circuits The idea of the integrated circuit was f...

                          ^^

Line 101, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t conceived by a radar scientist working for the Royal Radar Establishment of the...

                            ^^

Line 102, column 54, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Defense

... Radar Establishment of the Ministry of Defence, Geoffrey W.A. Dummer. Dummer presente...

                          ^^^^^^

Line 102, column 77, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Summer; Drummer; Dimmer; Hummer; Bummer; Dumber; Dumper; Mummer; Rummer

... the Ministry of Defence, Geoffrey W.A. Dummer. Dummer presented the first public des...

                          ^^^^^

Line 103, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Summer; Drummer; Dimmer; Hummer; Bummer; Dumber; Dumper; Mummer; Rummer

...stry of Defence, Geoffrey W.A. Dummer. Dummer presented the first public description ...

                          ^^^^^^

Line 103, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f an integrated circuit at the Symposium on Progress in Quality Electronic Compon...

                          ^^

Line 105, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... in Washington, D.C. on 7 May 1952. The development of the MOS integrated c...

                          ^^

Line 105, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n, D.C. on 7 May 1952. The development of the MOS integrated circuit led ...

                          ^^

Line 105, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

....C. on 7 May 1952. The development of the MOS integrated circuit led to ...

                          ^^

Line 105, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n 7 May 1952. The development of the MOS integrated circuit led to the ...

                               ^^

Line 105, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ay 1952. The development of the MOS integrated circuit led to the inven...

                               ^^

Line 105, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e development of the MOS integrated circuit led to the invention of th...

                               ^^

Line 105, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...pment of the MOS integrated circuit led to the invention of the micropr...

                               ^^

Line 105, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the MOS integrated circuit led to the invention of the microprocess...

                               ^^

Line 105, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the MOS integrated circuit led to the invention of the microprocessor,[...

                              ^^

Line 105, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... MOS integrated circuit led to the invention of the microprocessor,[86][8...

                              ^^

Line 105, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...grated circuit led to the invention of the microprocessor,[86][87] and hera...

                              ^^

Line 105, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed circuit led to the invention of the microprocessor,[86][87] and heralded...

                              ^^

Line 106, column 19, Rule ID: COMMA_PARENTHESIS_WHITESPACE

Message: Put a space after the comma

Suggestion: , [

... the invention of the microprocessor,[86][87] and heralded an explosion in the...

                              ^^

Line 106, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...explosion in the commercial and personal use of computers. While the subject...

^^

Line 107, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sion in the commercial and personal use of computers. While the subject of ...

^^

Line 107, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... in the commercial and personal use of computers. While the subject of exa...

^^

Line 107, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and personal use of computers. While the subject of exactly which device...

^^

Line 107, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ersonal use of computers. While the subject of exactly which device was...

^^

Line 107, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...use of computers. While the subject of exactly which device was the fi...

^^

Line 107, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of computers. While the subject of exactly which device was the first ...

                            ^^

Line 107, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uters. While the subject of exactly which device was the first micropro...

                            ^^

Line 107, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... While the subject of exactly which device was the first microprocessor ...

                            ^^

Line 107, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...the subject of exactly which device was the first microprocessor is conte...

                            ^^

Line 107, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...subject of exactly which device was the first microprocessor is contentiou...

                            ^^

Line 107, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ct of exactly which device was the first microprocessor is contentious, pa...

                        ^^

Line 107, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... exactly which device was the first microprocessor is contentious, partly du...

                        ^^

Line 108, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of agreement on the exact definition of the term "microprocessor", it is la...

                        ^^

Line 109, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...greement on the exact definition of the term "microprocessor", it is largely...

                        ^^

Line 109, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nt on the exact definition of the term "microprocessor", it is largely undi...

                        ^^

Line 109, column 12, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... on the exact definition of the term "microprocessor", it is largely undis...

                         ^

Line 109, column 27, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...efinition of the term "microprocessor", it is largely undisputed that th...

                         ^

Line 109, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...inition of the term "microprocessor", it is largely undisputed that the ...

                      ^^

Line 109, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ion of the term "microprocessor", it is largely undisputed that the firs...

                      ^^

Line 109, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of the term "microprocessor", it is largely undisputed that the first s...

                      ^^

Line 109, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...term "microprocessor", it is largely undisputed that the first single-chi...

                         ^^

Line 109, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...processor", it is largely undisputed that the first single-chip microproc...

                      ^^

Line 109, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sor", it is largely undisputed that the first single-chip microprocessor ...

                      ^^

Line 109, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... it is largely undisputed that the first single-chip microprocessor was t...

                      ^^

Line 109, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s largely undisputed that the first single-chip microprocessor was the Inte...

                      ^^

Line 109, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ndisputed that the first single-chip microprocessor was the Intel 4004,[88] d...

^^

Line 110, column 74, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Fagin; Fagging

...,[88] designed and realized by Federico Faggin with his silicon-gate MOS IC techn...

^^^^^^

Line 110, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ned and realized by Federico Faggin with his silicon-gate MOS IC technology,[...

^^

Line 111, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nd realized by Federico Faggin with his silicon-gate MOS IC technology,[86] a...

^^

Line 111, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Federico Faggin with his silicon-gate MOS IC technology,[86] along with Ted...

^^

Line 111, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rico Faggin with his silicon-gate MOS IC technology,[86] along with Ted Hof...

^^

Line 111, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Faggin with his silicon-gate MOS IC technology,[86] along with Ted Hoff, M...

                          ^^

Line 111, column 39, Rule ID: COMMA_PARENTHESIS_WHITESPACE

Message: Put a space after the comma

Suggestion: , [

... his silicon-gate MOS IC technology,[86] along with Ted Hoff, Masatoshi Sh...

                          ^^

Line 111, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...con-gate MOS IC technology,[86] along with Ted Hoff, Masatoshi Shima and Sta...

                          ^^

Line 111, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...MOS IC technology,[86] along with Ted Hoff, Masatoshi Shima and Stanley Mazor...

                          ^^

Line 111, column 68, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

... technology,[86] along with Ted Hoff, Masatoshi Shima and Stanley Mazor at Intel.[89][...

                          ^^^^^^^^

Line 111, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...gy,[86] along with Ted Hoff, Masatoshi Shima and Stanley Mazor at Intel.[89][90...

                         ^^

Line 112, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Shiva; Shim; Shims; Shi ma

...,[86] along with Ted Hoff, Masatoshi Shima and Stanley Mazor at Intel.[89][90] In ...

                         ^^^^^

Line 112, column 19, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Major; Mayor; Manor; Razor

...Ted Hoff, Masatoshi Shima and Stanley Mazor at Intel.[89][90] In the early 1970s, M...

                         ^^^^^

Line 112, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e early 1970s, MOS IC technology enabled the integration of more than 10,000 tran...

                         ^^

Line 113, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...10,000 transistors on a single chip.[59] System on a Chip (SoCs) are complete com...

                         ^^

Line 114, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s on a microchip (or chip) the size of a coin.[91] They may or may not have integ...

^^

Line 115, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...RAM and flash memory. If not integrated, The RAM is usually placed directly above...

^^

Line 116, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nown as Package on package) or below (on the opposite side of the circuit board) ...

^^

Line 117, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., and the flash memory is usually placed right next to the SoC, this all done to ...

^^

Line 118, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ata transfer speeds, as the data signals don't have to travel long distances. Sin...

^^

Line 119, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e ENIAC in 1945, computers have advanced enormously, with modern SoCs (Such as th...

^^

Line 120, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Snapdragon 865) being the size of a coin while also being hundreds of thousands o...

^^

Line 121, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es more powerful than ENIAC, integrating billions of transistors, and consuming o...

^^

Line 123, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... consuming only a few watts of power. A general purpose computer has four m...

^^

Line 123, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g only a few watts of power. A general purpose computer has four main comp...

^^

Line 123, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...few watts of power. A general purpose computer has four main components: ...

^^

Line 123, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of power. A general purpose computer has four main components: the arithm...

                           ^^

Line 123, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wer. A general purpose computer has four main components: the arithmetic ...

                           ^^

Line 123, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...A general purpose computer has four main components: the arithmetic logic...

                           ^^

Line 123, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eral purpose computer has four main components: the arithmetic logic unit...

                           ^^

Line 123, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computer has four main components: the arithmetic logic unit (ALU), the c...

                           ^^

Line 123, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... four main components: the arithmetic logic unit (ALU), the control unit, the...

                   ^^

Line 123, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...main components: the arithmetic logic unit (ALU), the control unit, the memory...

                   ^^

Line 124, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e input and output devices (collectively termed I/O). These parts are interconnec...

                   ^^

Line 126, column 93, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s of small electrical circuits which can be turned off or on by means of ...

                   ^^

Line 127, column 3, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... small electrical circuits which can be turned off or on by means of an e...

                   ^^

Line 127, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lectrical circuits which can be turned off or on by means of an electroni...

                  ^^

Line 127, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ical circuits which can be turned off or on by means of an electronic sw...

                  ^^

Line 127, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... circuits which can be turned off or on by means of an electronic switch...

                  ^^

Line 127, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cuits which can be turned off or on by means of an electronic switch. E...

                  ^^

Line 127, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s which can be turned off or on by means of an electronic switch. Each ...

                  ^^

Line 127, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... can be turned off or on by means of an electronic switch. Each circui...

                                ^^

Line 127, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... be turned off or on by means of an electronic switch. Each circuit r...

                                ^^

Line 127, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ff or on by means of an electronic switch. Each circuit represents a bi...

                                ^^

Line 127, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... means of an electronic switch. Each circuit represents a bit (binary digit...

                                ^^

Line 127, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f an electronic switch. Each circuit represents a bit (binary digit) of info...

                                ^^

Line 127, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...onic switch. Each circuit represents a bit (binary digit) of information so t...

^^

Line 128, column 84, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... when the circuit is on it represents a "1", and when off it represents a "0" (in...

^

Line 128, column 86, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...hen the circuit is on it represents a "1", and when off it represents a "0" (in p...

^

Line 128, column 118, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...nts a "1", and when off it represents a "0" (in positive logic representation). T...

^

Line 128, column 120, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...s a "1", and when off it represents a "0" (in positive logic representation). The...

^

Line 128, column 183, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...presentation). The circuits are arranged in logic gates so that one or more of th...

^^

Line 129, column 84, Rule ID: ENGLISH_WORD_REPEAT_RULE

Message: Possible typo: you repeated a word

Suggestion: of

...ircuits may control the state of one or more of the other circuits. Input devices Wh...

                          ^^^^^^^

Line 129, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... may control the state of one or more of the other circuits. Input devices When...

                          ^^

Line 131, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e of the other circuits. Input devices When unprocessed data is sent to the com...

                          ^^

Line 132, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uter with the help of input devices, the data is processed and sent to output dev...

                          ^^

Line 133, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... The input devices may be hand-operated or automated. The act of processing is m...

                          ^^

Line 134, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y regulated by the CPU. Some examples of input devices are: b'\xef\x82\xb7' Computer keyboard...

                              ^^

Line 135, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...PU. Some examples of input devices are: b'\xef\x82\xb7' Computer keyboard b'\xef\x82\xb7' Digital camera ...

                              ^^

Line 136, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Some examples of input devices are: b'\xef\x82\xb7' Computer keyboard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' ...

                              ^^

Line 136, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...input devices are: b'\xef\x82\xb7' Computer keyboard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82

                              ^^

Line 137, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ut devices are: b'\xef\x82\xb7' Computer keyboard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82\xb

                              ^^

Line 137, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Computer keyboard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tab

                        ^^

Line 138, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Computer keyboard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tablet b'\xef\x82\x

                        ^^

Line 138, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ard b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scann

                        ^^

Line 139, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Digital camera b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scanner

                        ^^

Line 139, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ra b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xe

                        ^^

Line 140, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Digital video b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xef\x8

          ^^

Line 140, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eo b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xef\x82\xb7' Microphone b'\xe

          ^^

Line 141, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Graphics tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xef\x82\xb7' Microphone b'\xef\x8

          ^^

Line 141, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cs tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xef\x82\xb7' Microphone b'\xef\x82\xb7' Mouse b'\xef\x

          ^^

Line 142, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tablet b'\xef\x82\xb7' Image scanner b'\xef\x82\xb7' Joystick b'\xef\x82\xb7' Microphone b'\xef\x82\xb7' Mouse b'\xef\x82\

          ^^

Line 142, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mage scanner b'\xef\x82\xb7' Joystick b'\xef\x82\xb7' Microphone b'\xef\x82\xb7' Mouse b'\xef\x82\xb7' Overlay keyboard

```
                          ^^

Line 143, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e scanner  b'\xef\x82\xb7'  Joystick  b'\xef\x82\xb7'  Microphone  b'\xef\x82\xb7'  Mouse  b'\xef\x82\xb7'  Overlay keyboard  b'\x

                          ^^

Line 143, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er  b'\xef\x82\xb7'  Joystick  b'\xef\x82\xb7'  Microphone  b'\xef\x82\xb7'  Mouse  b'\xef\x82\xb7'  Overlay keyboard  b'\xef\x82\x

                          ^^

Line 144, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7'  Joystick  b'\xef\x82\xb7'  Microphone  b'\xef\x82\xb7'  Mouse  b'\xef\x82\xb7'  Overlay keyboard  b'\xef\x82\xb7

                          ^^

Line 144, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...icrophone  b'\xef\x82\xb7'  Mouse  b'\xef\x82\xb7'  Overlay keyboard  b'\xef\x82\xb7'  Real-time clock  b'\xef\x82\xb7'  Trackbal

                          ^^

Line 145, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ophone  b'\xef\x82\xb7'  Mouse  b'\xef\x82\xb7'  Overlay keyboard  b'\xef\x82\xb7'  Real-time clock  b'\xef\x82\xb7'  Trackball b

                          ^^
```

Line 145, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Overlay keyboard b'\xef\x82\xb7' Real-time clock b'\xef\x82\xb7' Trackball b'\xef\x82\xb7' Touchscreen Ou

                      ^^

Line 146, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Overlay keyboard b'\xef\x82\xb7' Real-time clock b'\xef\x82\xb7' Trackball b'\xef\x82\xb7' Touchscreen Output device...

                      ^^

Line 146, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...yboard b'\xef\x82\xb7' Real-time clock b'\xef\x82\xb7' Trackball b'\xef\x82\xb7' Touchscreen Output devices The mean...

                      ^^

Line 147, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ard b'\xef\x82\xb7' Real-time clock b'\xef\x82\xb7' Trackball b'\xef\x82\xb7' Touchscreen Output devices The means t...

                      ^^

Line 147, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...time clock b'\xef\x82\xb7' Trackball b'\xef\x82\xb7' Touchscreen Output devices The means through which ...

                      ^^

Line 148, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rackball b'\xef\x82\xb7' Touchscreen Output devices The means through which computer gives o...

                          ^^

Line 150, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s. Some examples of output devices are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC s...

                          ^^

Line 151, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Some examples of output devices are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC spea...

                          ^^

Line 151, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...output devices are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Pro

                          ^^

Line 152, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...put devices are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projec

                          ^^

Line 152, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xe

                    ^^

Line 153, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...are: b'\xef\x82\xb7' Computer monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xef\x8

                    ^^

Line 153, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xe

                    ^^

Line 154, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er monitor b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xef\x8

                    ^^

Line 154, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... b'\xef\x82\xb7' Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xef\x82\xb7' Vid

                    ^^

Line 155, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Printer b'\xef\x82\xb7' PC speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xef\x82\xb7' Video card Contro

          ^^

Line 155, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... PC speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xef\x82\xb7' Video card Control unit The control...

          ^^

Line 156, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... speaker b'\xef\x82\xb7' Projector b'\xef\x82\xb7' Sound card b'\xef\x82\xb7' Video card Control unit The control un...

          ^^

Line 156, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Projector b'\xef\x82\xb7' Sound card b'\xef\x82\xb7' Video card Control unit The control unit (often ca...

          ^^

Line 157, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Sound card b'\xef\x82\xb7' Video card Control unit The control unit (often called a control...

          ^^

Line 158, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ystem or central controller) manages the computer's various components; it re...

^^

Line 159, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tral controller) manages the computer's various components; it reads and in...

              ^^

Line 159, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...roller) manages the computer's various components; it reads and interprets ...

          ^^

Line 159, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es the computer's various components; it reads and interprets (decodes) t...

       ^^

Line 159, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he computer's various components; it reads and interprets (decodes) the ...

      ^^

Line 159, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter's various components; it reads and interprets (decodes) the program...

      ^^

Line 159, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...'s various components; it reads and interprets (decodes) the program ins...

^^

Line 159, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... components; it reads and interprets (decodes) the program instructions, ...

^^

Line 159, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...; it reads and interprets (decodes) the program instructions, transformin...

^^

Line 159, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... reads and interprets (decodes) the program instructions, transforming th...

^^

Line 159, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and interprets (decodes) the program instructions, transforming them into ...

^^

Line 160, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... (decodes) the program instructions, transforming them into control signa...

                              ^^

Line 160, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he program instructions, transforming them into control signals that acti...

                              ^^

Line 160, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ogram instructions, transforming them into control signals that activate ...

                              ^^

Line 160, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... instructions, transforming them into control signals that activate other ...

                              ^^

Line 160, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ions, transforming them into control signals that activate other parts o...

                              ^^

Line 160, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ansforming them into control signals that activate other parts of the c...

^^

Line 160, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ming them into control signals that activate other parts of the compute...

^^

Line 160, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... into control signals that activate other parts of the computer.[95] Con...

^^

Line 160, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... control signals that activate other parts of the computer.[95] Control s...

^^

Line 160, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l signals that activate other parts of the computer.[95] Control systems ...

^^

Line 160, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ignals that activate other parts of the computer.[95] Control systems in ...

^^

Line 160, column 97, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s that activate other parts of the computer.[95] Control systems in adva...

^^

Line 161, column 22, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r parts of the computer.[95] Control systems in advanced computers may c...

^^

Line 161, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the computer.[95] Control systems in advanced computers may change th...

^^

Line 161, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the computer.[95] Control systems in advanced computers may change the o...

^^

Line 161, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uter.[95] Control systems in advanced computers may change the order of ...

```
                              ^^
```

Line 161, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ontrol systems in advanced computers may change the order of execution o...

```
                                 ^^
```

Line 161, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l systems in advanced computers may change the order of execution of som...

```
                                        ^^
```

Line 161, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ms in advanced computers may change the order of execution of some instru...

```
                                 ^^
```

Line 161, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n advanced computers may change the order of execution of some instruction...

```
                              ^^
```

Line 161, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nced computers may change the order of execution of some instructions to im...

```
                              ^^
```

Line 161, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computers may change the order of execution of some instructions to improv...

                        ^^

Line 162, column 55, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: A

...ome instructions to improve performance.A key component common to all CPUs is th...

                        ^

Line 162, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...erformance.A key component common to all CPUs is the program counter, a special m...

                        ^^

Line 163, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

...formance.A key component common to all CPUs is the program counter, a special memor...

                        ^^^^

Line 163, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ry cell (a register) that keeps track of which location in memory the next instru...

                        ^^

Line 164, column 66, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: The

...the next instruction is to be read from.The control system's function is as follow...

                              ^^^

Line 164, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... is to be read from.The control system's function is as followsâ€"note that this is...

                              ^^

Line 165, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ied description, and some of these steps may be performed concurrently or in a di...

                              ^^

Line 166, column 165, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n from the cell indicated by the program counter. 2. Decode the numerical code f...

                              ^^

Line 168, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uction into a set of commands or signals for each of the other systems. 3. Incre...

                              ^^

Line 171, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...equires from cells in memory (or perhaps from an input device). The location of t...

                                 ^^

Line 172, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...required data is typically stored within the instruction code. 5. Provide the ne...

                                 ^^

Line 175, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ecialized hardware to complete, instruct the hardware to perform the requested op...

                                 ^^

Line 177, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...to a memory location or to a register or perhaps an output device. 8. Jump back ...

                                 ^^

Line 180, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t another set of memory cells, it can be changed by calculations done in the ALU....

                                 ^^

Line 181, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Adding 100 to the program counter would cause the next instruction to be read fr...

^^

Line 182, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...m a place 100 locations further down the program. Instructions that modify the pr...

^^

Line 183, column 74, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... the program counter are often known as "jumps" and allow for loops (instruction...

^

Line 183, column 80, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...rogram counter are often known as "jumps" and allow for loops (instructions that...

^

Line 183, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...m counter are often known as "jumps" and allow for loops (instructions that are r...

^^

Line 184, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d by the computer) and often conditional instruction execution (both examples of ...

          ^^

Line 186, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t goes through to process an instruction is in itself like a short computer progr...

          ^^

Line 187, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...am, and indeed, in some more complex CPU designs, there is another yet smaller co...

          ^^

Line 188, column 57, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: micro sequencer

...s another yet smaller computer called a microsequencer, which runs a microcode program that c...

          ^^^^^^^^^^^^^

Line 188, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uter called a microsequencer, which runs a microcode program that causes all of t...

          ^^

Line 190, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o happen. Central processing unit (CPU) The control unit, ALU, and register...

          ^^

Line 191, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...pen. Central processing unit (CPU) The control unit, ALU, and registers ar...

                          ^^

Line 191, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tral processing unit (CPU) The control unit, ALU, and registers are collec...

                          ^^

Line 191, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ocessing unit (CPU) The control unit, ALU, and registers are collectively ...

                          ^^

Line 191, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ng unit (CPU) The control unit, ALU, and registers are collectively known...

                          ^^

Line 191, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...it (CPU) The control unit, ALU, and registers are collectively known as ...

                          ^^

Line 191, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he control unit, ALU, and registers are collectively known as a central ...

                  ^^

Line 191, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ontrol unit, ALU, and registers are collectively known as a central proc...

                  ^^

Line 191, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... ALU, and registers are collectively known as a central processing unit (C...

                  ^^

Line 191, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and registers are collectively known as a central processing unit (CPU). Ea...

                  ^^

Line 191, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... registers are collectively known as a central processing unit (CPU). Early ...

                  ^^

Line 191, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... are collectively known as a central processing unit (CPU). Early CPUs were c...

                            ^^

Line 192, column 30, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

...a central processing unit (CPU). Early CPUs were composed of many separate componen...

                            ^^^^

Line 192, column 52, Rule ID: NUMEROUS_DIFFERENT[1]

Message: Use simply 'many'.

Suggestion: many

...unit (CPU). Early CPUs were composed of many separate components. Since the 1970s, CPUs have...

                      ^^^^^^^^^^^^^

Line 193, column 18, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

... separate components. Since the 1970s, CPUs have typically been constructed on a si...

                      ^^^^

Line 193, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n constructed on a single MOS integrated circuit chip called a microprocessor. A...

                      ^^

Line 195, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...oprocessor. Arithmetic logic unit (ALU) The ALU is capable of performing two ...

^^

Line 196, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...essor. Arithmetic logic unit (ALU) The ALU is capable of performing two clas...

^^

Line 196, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Arithmetic logic unit (ALU) The ALU is capable of performing two classes o...

^^

Line 196, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ogic unit (ALU) The ALU is capable of performing two classes of operations: a...

^^

Line 196, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... The ALU is capable of performing two classes of operations: arithmetic and l...

^^

Line 196, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o classes of operations: arithmetic and logic. The set of arithmetic operations ...

^^

Line 197, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...articular ALU supports may be limited to addition and subtraction, or might inclu...

                             ^^

Line 198, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cation, division, trigonometry functions such as sine, cosine, etc., and square r...

^^

Line 199, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Some can only operate on whole numbers (integers) while others use floating poi...

^^

Line 200, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...resent real numbers, albeit with limited precision. However, any computer tha...

^^

Line 201, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lbeit with limited precision. However, any computer that is capable of pe...

^^

Line 201, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... with limited precision. However, any computer that is capable of perform...

              ^^

Line 201, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ted precision. However, any computer that is capable of performing just ...

              ^^

Line 201, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...recision. However, any computer that is capable of performing just the ...

              ^^

Line 201, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sion. However, any computer that is capable of performing just the simp...

              ^^

Line 201, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wever, any computer that is capable of performing just the simplest ope...

              ^^

Line 201, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r, any computer that is capable of performing just the simplest operati...

                              ^^

Line 201, column 71, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter that is capable of performing just the simplest operations can be p...

                              ^^

Line 201, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... that is capable of performing just the simplest operations can be program...

                              ^^

Line 201, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... is capable of performing just the simplest operations can be programmed t...

                              ^^

Line 201, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ble of performing just the simplest operations can be programmed to break do...

                              ^^

Line 202, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the more complex operations into simple steps that it can perform. Therefore, an...

                         ^^

Line 203, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer can be programmed to perform any arithmetic operationâ€"although it will ta...

                         ^^

Line 204, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...me to do so if its ALU does not directly support the operation. An ALU may also c...

                         ^^

Line 205, column 67, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Boolean; boo lean

...ALU may also compare numbers and return boolean truth values (true or false) depending...

                         ^^^^^^^

Line 205, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...compare numbers and return boolean truth values (true or false) depending on whet...

                         ^^

Line 206, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e is equal to, greater than or less than the other ("is 64 greater than 65?...

                ^^

Line 207, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...equal to, greater than or less than the other ("is 64 greater than 65?"). ...

                ^^

Line 207, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o, greater than or less than the other ("is 64 greater than 65?"). Logic ...

                ^^

Line 207, column 14, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...greater than or less than the other ("is 64 greater than 65?"). Logic op...

                ^

Line 207, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ater than or less than the other ("is 64 greater than 65?"). Logic operat...

                ^^

Line 207, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... than or less than the other ("is 64 greater than 65?"). Logic operations...

$\wedge\wedge$

Line 207, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...less than the other ("is 64 greater than 65?"). Logic operations involve...

$\wedge\wedge$

Line 207, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...han the other ("is 64 greater than 65?"). Logic operations involve Boole...

$\wedge\wedge$

Line 207, column 41, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...the other ("is 64 greater than 65?"). Logic operations involve Boolean ...

$\wedge$

Line 207, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... ("is 64 greater than 65?"). Logic operations involve Boolean logic: AND,...

$\wedge\wedge$

Line 207, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...greater than 65?"). Logic operations involve Boolean logic: AND, OR, XOR, a...

$\wedge\wedge$

Line 207, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...?"). Logic operations involve Boolean logic: AND, OR, XOR, and NOT. These c...

                              ^^

Line 208, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s involve Boolean logic: AND, OR, XOR, and NOT. These can be useful for c...

                              ^^

Line 208, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n logic: AND, OR, XOR, and NOT. These can be useful for creating complica...

                              ^^

Line 208, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...gic: AND, OR, XOR, and NOT. These can be useful for creating complicated c...

                              ^^

Line 208, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... AND, OR, XOR, and NOT. These can be useful for creating complicated condi...

                              ^^

Line 208, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., XOR, and NOT. These can be useful for creating complicated conditional s...

                              ^^

Line 208, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., and NOT. These can be useful for creating complicated conditional statem...

                              ^^

Line 208, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... These can be useful for creating complicated conditional statements and p...

                              ^^

Line 209, column 51, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Boolean; boo lean

...d conditional statements and processing boolean logic. Memory A computer's memory can ...

                              ^^^^^^^

Line 209, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nts and processing boolean logic. Memory A computer's memory can be viewed as a l...

                              ^^

Line 210, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... list of cells into which numbers can be placed or read. Each cell has a numbered...

                         ^^

Line 211, column 42, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...laced or read. Each cell has a numbered "address" and can store a single number. ...

                         ^

Line 211, column 50, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

... read. Each cell has a numbered "address" and can store a single number. The inf...

                         ^

Line 212, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... practically anything. Letters, numbers, even computer instructions can be placed...

                         ^^

Line 213, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...to memory with equal ease. Since the CPU does not differentiate between diffe...

                         ^^

Line 214, column 5, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ory with equal ease. Since the CPU does not differentiate between different ...

^^

Line 214, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ith equal ease. Since the CPU does not differentiate between different types...

^^

Line 214, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Since the CPU does not differentiate between different types of informati...

^^

Line 214, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e CPU does not differentiate between different types of information, it ...

^^

Line 214, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... not differentiate between different types of information, it is the so...

^^

Line 214, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...differentiate between different types of information, it is the software'...

^^

Line 214, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...erentiate between different types of information, it is the software's r...

^^

Line 214, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ween different types of information, it is the software's responsibility ...

^^

Line 214, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... different types of information, it is the software's responsibility to g...

^^

Line 214, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...fferent types of information, it is the software's responsibility to give ...

^^

Line 214, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nt types of information, it is the software's responsibility to give signi...

^^

Line 214, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f information, it is the software's responsibility to give significance to w...

                              ^^

Line 215, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e memory sees as nothing but a series of numbers.In almost all modern computers, ...

                              ^^

Line 216, column 9, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: In

...ees as nothing but a series of numbers.In almost all modern computers, each memor...

                              ^^

Line 216, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ch memory cell is set up to store binary numbers in groups of eight bits (ca...

                              ^^

Line 217, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ll is set up to store binary numbers in groups of eight bits (called a byte...

                              ^^

Line 217, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t up to store binary numbers in groups of eight bits (called a byte). A c...

                          ^^

Line 217, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to store binary numbers in groups of eight bits (called a byte). A compu...

                          ^^

Line 217, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...re binary numbers in groups of eight bits (called a byte). A computer ca...

                          ^^

Line 217, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ary numbers in groups of eight bits (called a byte). A computer can sto...

                          ^^

Line 217, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ers in groups of eight bits (called a byte). A computer can store any ...

                          ^^

Line 217, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s of eight bits (called a byte). A computer can store any kind of inf...

                              ^^

Line 217, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ht bits (called a byte). A computer can store any kind of information i...

                              ^^

Line 217, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...its (called a byte). A computer can store any kind of information in mem...

                              ^^

Line 217, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...alled a byte). A computer can store any kind of information in memory if ...

                              ^^

Line 217, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... a byte). A computer can store any kind of information in memory if it ca...

                              ^^

Line 217, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...te). A computer can store any kind of information in memory if it can be r...

^^

Line 217, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... A computer can store any kind of information in memory if it can be repre...

^^

Line 218, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ented numerically. Modern computers have billions or even trillions of bytes of m...

^^

Line 219, column 47, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: The

...ns or even trillions of bytes of memory.The CPU contains a special set of memory c...

^^^

Line 219, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...The CPU contains a special set of memory cells called registers that can be read ...

^^

Line 220, column 53, Rule ID: TO_TOO[2]

Message: Did you mean 'too'?

Suggestion: too

... registers that can be read and written to much more rapidly than the main memory...

^^

Line 220, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...itten to much more rapidly than the main memory area. There are typically between...

                                    ^^

Line 221, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...o and one hundred registers depending on the type of CPU. Registers are used for ...

                                    ^^

Line 222, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...st frequently needed data items to avoid having to access main memory every time ...

                                    ^^

Line 223, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...a is needed. As data is constantly being worked on, reducing the need to access m...

                                    ^^

Line 224, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... memory (which is often slow compared to the ALU and control units) greatly ...

                                    ^^

Line 225, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ry (which is often slow compared to the ALU and control units) greatly incr...

                            ^^

Line 225, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hich is often slow compared to the ALU and control units) greatly increases...

                            ^^

Line 225, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...is often slow compared to the ALU and control units) greatly increases the...

                            ^^

Line 225, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...slow compared to the ALU and control units) greatly increases the compute...

                            ^^

Line 225, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...pared to the ALU and control units) greatly increases the computer's spe...

                            ^^

Line 225, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the ALU and control units) greatly increases the computer's speed.Comput...

^^

Line 225, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and control units) greatly increases the computer's speed.Computer main m...

^^

Line 225, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...control units) greatly increases the computer's speed.Computer main memory...

^^

Line 225, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ts) greatly increases the computer's speed.Computer main memory comes in tw...

^^

Line 225, column 76, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: Computer

...atly increases the computer's speed.Computer main memory comes in two principal va...

^^^^^^^

Line 225, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...creases the computer's speed.Computer main memory comes in two principal vari...

                     ^^

Line 225, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s the computer's speed.Computer main memory comes in two principal varieties ...

                    ^^

Line 226, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...andom-access memory or RAM and read-only memory or ROM RAM can be read and writte...

                    ^^

Line 227, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tten to anytime the CPU commands it, but ROM is preloaded with data and software ...

                    ^^

Line 228, column 8, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: reloaded; p reloaded

...nytime the CPU commands it, but ROM is preloaded with data and software that never chang...

                    ^^^^^^^^

Line 228, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hat never changes, therefore the CPU can only read from it. ROM is typicall...

                              ^^

Line 229, column 5, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ver changes, therefore the CPU can only read from it. ROM is typically use...

                              ^^

Line 229, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...anges, therefore the CPU can only read from it. ROM is typically used to ...

                              ^^

Line 229, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... therefore the CPU can only read from it. ROM is typically used to store...

                              ^^

Line 229, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the CPU can only read from it. ROM is typically used to store the com...

                              ^^

Line 229, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... CPU can only read from it. ROM is typically used to store the compute...

^^

Line 229, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nly read from it. ROM is typically used to store the computer's initia...

^^

Line 229, column 48, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ead from it. ROM is typically used to store the computer's initial sta...

^^

Line 229, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... from it. ROM is typically used to store the computer's initial start-u...

^^

Line 229, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...it. ROM is typically used to store the computer's initial start-up inst...

^^

Line 229, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ROM is typically used to store the computer's initial start-up instructi...

^^

Line 229, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ically used to store the computer's initial start-up instructions. In ge...

                                ^^

Line 229, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sed to store the computer's initial start-up instructions. In general, t...

                                ^^

Line 229, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tore the computer's initial start-up instructions. In general, the conten...

                                ^^

Line 230, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...'s initial start-up instructions. In general, the contents of RAM are e...

                                ^^

Line 230, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l start-up instructions. In general, the contents of RAM are erased whe...

                                ^^

Line 230, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...art-up instructions. In general, the contents of RAM are erased when th...

        ^^

Line 230, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...structions. In general, the contents of RAM are erased when the power ...

        ^^

Line 230, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ctions. In general, the contents of RAM are erased when the power to ...

        ^^

Line 230, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s. In general, the contents of RAM are erased when the power to the ...

        ^^

Line 230, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n general, the contents of RAM are erased when the power to the compu...

        ^^

Line 230, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...al, the contents of RAM are erased when the power to the computer is t...

        ^^

Line 230, column 71, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he contents of RAM are erased when the power to the computer is turned ...

        ^^

Line 230, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ontents of RAM are erased when the power to the computer is turned off, ...

        ^^

Line 230, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of RAM are erased when the power to the computer is turned off, but ROM...

        ^^

Line 230, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... RAM are erased when the power to the computer is turned off, but ROM ret...

        ^^

Line 230, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... are erased when the power to the computer is turned off, but ROM retains ...

                            ^^

Line 231, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... indefinitely. In a PC, the ROM contains a specialized program called the BIO...

                            ^^

Line 232, column 2, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...definitely. In a PC, the ROM contains a specialized program called the BIOS t...

                            ^^

Line 232, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n a PC, the ROM contains a specialized program called the BIOS that orchestr...

                            ^^

Line 232, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he ROM contains a specialized program called the BIOS that orchestrates loa...

                            ^^

Line 232, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ontains a specialized program called the BIOS that orchestrates loading th...

^^

Line 232, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cialized program called the BIOS that orchestrates loading the computer's o...

                                    ^^

Line 232, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ram called the BIOS that orchestrates loading the computer's operating syste...

                                    ^^

Line 232, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed the BIOS that orchestrates loading the computer's operating system from th...

                                    ^^

Line 232, column 75, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he BIOS that orchestrates loading the computer's operating system from the har...

                                    ^^

Line 233, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...isk drive into RAM whenever the computer is turned on or reset. In embedded compu...

                                    ^^

Line 234, column 24, Rule ID: ENGLISH_WORD_REPEAT_BEGINNING_RULE

Message: Three successive sentences begin with the same word. Reword the sentence or use a thesaurus to find a synonym.

...er the computer is turned on or reset. In embedded computers, which frequently do...

                              ^^

Line 234, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hich frequently do not have disk drives, all of the required software may be stor...

                              ^^

Line 235, column 1, Rule ID: ALL_OF_THE[1]

Message: Simply use 'all the'.

Suggestion: all the

...ch frequently do not have disk drives, all of the required software may be stored in ROM....

                        ^^^^^^^^^

Line 235, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... in ROM. Software stored in ROM is often called firmware, because it is notio...

                              ^^

Line 236, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...stored in ROM is often called firmware, because it is notionally more like ...

                              ^^

Line 236, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... ROM is often called firmware, because it is notionally more like hardware...

                             ^^

Line 236, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... is often called firmware, because it is notionally more like hardware th...

                             ^^

Line 236, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...often called firmware, because it is notionally more like hardware than ...

                             ^^

Line 236, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d firmware, because it is notionally more like hardware than software. Fl...

                             ^^

Line 236, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ware, because it is notionally more like hardware than software. Flash m...

                             ^^

Line 236, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... because it is notionally more like hardware than software. Flash memory ...

                           ^^

Line 236, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...it is notionally more like hardware than software. Flash memory blurs the ...

                         ^^

Line 236, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... notionally more like hardware than software. Flash memory blurs the distin...

                        ^^

Line 236, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e like hardware than software. Flash memory blurs the distinction between ROM...

                        ^^

Line 237, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... RAM, as it retains its data when turned off but is also rewritable. It is typica...

                          ^^

Line 238, column 17, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: re writable

...s its data when turned off but is also rewritable. It is typically much slower than conve...

^^^^^^^^^

Line 238, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uch slower than conventional ROM and RAM however, so its use is restricted to app...

                            ^^

Line 239, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ations where high speed is unnecessary.   Input/output (I/O) I/O is the means by ...

                            ^^

Line 240, column 19, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eed is unnecessary.   Input/output (I/O) I/O is the means by which a computer exc...

                            ^^

Line 241, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r exchanges information with the outside world.[100] Devices that provide inpu...

                            ^^

Line 242, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...on with the outside world.[100] Devices that provide input or output to th...

                            ^^

Line 242, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...h the outside world.[100] Devices that provide input or output to the com...

                            ^^

Line 242, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...side world.[100] Devices that provide input or output to the computer ar...

                            ^^

Line 242, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...orld.[100] Devices that provide input or output to the computer are call...

                            ^^

Line 242, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

....[100] Devices that provide input or output to the computer are called p...

                            ^^

Line 242, column 54, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...evices that provide input or output to the computer are called periphera...

                            ^^

Line 242, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es that provide input or output to the computer are called peripherals.[...

                             ^^

Line 242, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hat provide input or output to the computer are called peripherals.[101] ...

                             ^^

Line 242, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...de input or output to the computer are called peripherals.[101] On a typic...

                             ^^

Line 242, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nput or output to the computer are called peripherals.[101] On a typical pe...

                             ^^

Line 243, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter, peripherals include input devices like the keyboard and mouse, and output ...

                             ^^

Line 244, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es such as the display and printer. Hard disk drives, floppy disk drives and opti...

^^

Line 245, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sc drives serve as both input and output devices. Computer networking is another ...

^^

Line 246, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rm of I/O. I/O devices are often complex computers in their own right, with their...

^^

Line 247, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wn CPU and memory. A graphics processing unit might contain fifty or more tiny co...

^^

Line 248, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...at perform the calculations necessary to display 3D graphics. Modern desktop comp...

^^

Line 249, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ters contain many smaller computers that assist the main CPU in performing I/O. A...

```
                            ^^
```

Line 250, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...era flat screen display contains its own computer circuitry. Multitasking While ...

```
                            ^^
```

Line 252, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nning one gigantic program stored in its main memory, in some systems it is neces...

```
                            ^^
```

Line 253, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...essary to give the appearance of running several programs simultaneously. This...

```
                            ^^
```

Line 254, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... give the appearance of running several programs simultaneously. This is ach...

```
                            ^^
```

Line 254, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...appearance of running several programs simultaneously. This is achieved by ...

            ^^

Line 254, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...several programs simultaneously. This is achieved by multitasking i.e. ha...

            ^^

Line 254, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ral programs simultaneously. This is achieved by multitasking i.e. having...

            ^^

Line 254, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ams simultaneously. This is achieved by multitasking i.e. having the com...

            ^^

Line 254, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... simultaneously. This is achieved by multitasking i.e. having the compute...

            ^^

Line 254, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y. This is achieved by multitasking i.e. having the computer switch rapid...

            ^^

Line 254, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...is is achieved by multitasking i.e. having the computer switch rapidly bet...

^^

Line 254, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...achieved by multitasking i.e. having the computer switch rapidly between run...

^^

Line 254, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ved by multitasking i.e. having the computer switch rapidly between running ...

^^

Line 255, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...each program in turn. One means by which this is done is with a special signal ca...

^^

Line 256, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...errupt, which can periodically cause the computer to stop executing instructions ...

^^

Line 257, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...it was and do something else instead. By remembering where it was executing prior...

               ^^

Line 258, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he interrupt, the computer can return to that task later. If several programs are...

               ^^

Line 259, column 18, Rule ID: SENTENCE_FRAGMENT[1]

Message: â€œIfâ€• at the beginning of a sentence requires a 2nd clause. Maybe a comma, question or exclamation mark is mis

...omputer can return to that task later. If several programs are running "at the sa...

               ^^

Line 259, column 50, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

... later. If several programs are running "at the same time". then the interrupt g...

             ^

Line 259, column 67, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...l programs are running "at the same time". then the interrupt generator might be...

             ^

Line 259, column 70, Rule ID: UPPERCASE_SENTENCE_START

Message: This sentence does not start with an uppercase letter

Suggestion: Then

...rograms are running "at the same time". then the interrupt generator might be causi...

                    ^^^^

Line 259, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g "at the same time". then the interrupt generator might be causing several hundr...

                    ^^

Line 260, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...interrupts per second, causing a program switch each time. Since modern computers...

                    ^^

Line 261, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ally execute instructions several orders of magnitude faster than human perceptio...

                    ^^

Line 262, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...on, it may appear that many programs are running at the same time even though onl...

                    ^^

Line 264, column 49, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...hod of multitasking is sometimes termed "time-sharing" since each program is all...

^

Line 264, column 62, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...asking is sometimes termed "time-sharing" since each program is allocated a "sli...

^

Line 264, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...med "time-sharing" since each program is allocated a "slice" of time in turn.   M...

^^

Line 265, column 13, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...ing" since each program is allocated a "slice" of time in turn.   Multiprocessin...

^

Line 265, column 19, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...ince each program is allocated a "slice" of time in turn.   Multiprocessing Som...

^

Line 265, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s allocated a "slice" of time in turn.   Multiprocessing Some computers are desi...

^^

Line 266, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lice" of time in turn.   Multiprocessing Some computers are designed to distribut...

                              ^^

Line 267, column 69, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

...to distribute their work across several CPUs in a multiprocessing configuration, a ...

                              ^^^^

Line 267, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...bute their work across several CPUs in a multiprocessing configuration, a techniq...

                              ^^

Line 268, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...once employed only in large and powerful machines such as supercomputers, mainfra...

                              ^^

Line 269, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...me computers and servers. Multiprocessor and multi-core (multiple CPUs on a s...

                              ^^

Line 270, column 5, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...puters and servers. Multiprocessor and multi-core (multiple CPUs on a single integra...

                                        ^^^^^^^^^^

Line 270, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Multiprocessor and multi-core (multiple CPUs on a single integrated circuit...

                            ^^

Line 270, column 27, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

...ltiprocessor and multi-core (multiple CPUs on a single integrated circuit) p...

                                        ^^^^

Line 270, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rocessor and multi-core (multiple CPUs on a single integrated circuit) per...

                                    ^^

Line 270, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ssor and multi-core (multiple CPUs on a single integrated circuit) persona...

                                ^^

Line 270, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r and multi-core (multiple CPUs on a single integrated circuit) personal ...

                                    ^^

Line 270, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ulti-core (multiple CPUs on a single integrated circuit) personal and lap...

                                    ^^

Line 270, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ultiple CPUs on a single integrated circuit) personal and laptop compute...

                                    ^^

Line 270, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...PUs on a single integrated circuit) personal and laptop computers are n...

                                    ^^

Line 270, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... single integrated circuit) personal and laptop computers are now widely...

                                    ^^

Line 270, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...gle integrated circuit) personal and laptop computers are now widely ava...

^^

Line 270, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...egrated circuit) personal and laptop computers are now widely available, ...

^^

Line 271, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rcuit) personal and laptop computers are now widely available, and are b...

^^

Line 271, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...) personal and laptop computers are now widely available, and are being ...

^^

Line 271, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rsonal and laptop computers are now widely available, and are being incre...

^^

Line 271, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and laptop computers are now widely available, and are being increasingly ...

^^

Line 271, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computers are now widely available, and are being increasingly used in lo...

^^

Line 271, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s are now widely available, and are being increasingly used in lower-end ...

^^

Line 271, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lable, and are being increasingly used in lower-end markets as a result. Supe...

^^

Line 271, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e, and are being increasingly used in lower-end markets as a result. Supercom...

^^

Line 271, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... being increasingly used in lower-end markets as a result. Supercomputers in p...

^^

Line 272, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r often have highly unique architectures that differ significantly from the basic...

                             ^^

Line 273, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed-program architecture and from general purpose computers. They often feature ...

                             ^^

Line 274, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...m architecture and from general purpose computers. They often feature thousand...

                             ^^

Line 274, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d from general purpose computers. They often feature thousands of CPUs, cus...

                             ^^

Line 274, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... purpose computers. They often feature thousands of CPUs, customized high-s...

                             ^^

Line 274, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputers. They often feature thousands of CPUs, customized high-speed inter...

                          ^^

Line 274, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ters. They often feature thousands of CPUs, customized high-speed interconn...

                          ^^

Line 274, column 57, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; Opus; Pus; Cps; CPU s

...rs. They often feature thousands of CPUs, customized high-speed interconnects...

                        ^^^^

Line 274, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hey often feature thousands of CPUs, customized high-speed interconnects, a...

                          ^^

Line 274, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eature thousands of CPUs, customized high-speed interconnects, and specializ...

                          ^^

Line 274, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sands of CPUs, customized high-speed interconnects, and specialized computing...

                              ^^

Line 275, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hardware. Such designs tend to be useful only for specialized tasks due to the la...

                              ^^

Line 276, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cale of program organization required to successfully utilize most of the availab...

                              ^^

Line 277, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...esources at once. Supercomputers usually see usage in large-scale simulation, gra...

                              ^^

Line 278, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...endering, and cryptography applications, as well as with other so-called "embarra...

                              ^^

Line 279, column 33, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...tions, as well as with other so-called "embarrassingly parallel" tasks. Softwar...

^

Line 279, column 57, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€¢'.

Suggestion: â€¢

...other so-called "embarrassingly parallel" tasks. Software Software refers to pa...

^

Line 280, column 1, Rule ID: ENGLISH_WORD_REPEAT_RULE

Message: Possible typo: you repeated a word

Suggestion: Software

...alled "embarrassingly parallel" tasks. Software Software refers to parts of the computer which d...

^^^^^^^^^^^^^^^^^

Line 280, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mbarrassingly parallel" tasks. Software Software refers to parts of the computer...

^^

Line 281, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... which do not have a material form, such as programs, data, protocols, etc. Softw...

^^

Line 282, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e is that part of a computer system that consists of encoded information or ...

^^

Line 283, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...part of a computer system that consists of encoded information or computer ...

^^

Line 283, column 13, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of a computer system that consists of encoded information or computer inst...

^^

Line 283, column 22, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter system that consists of encoded information or computer instructions,...

^^

Line 283, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...that consists of encoded information or computer instructions, in contras...

^^

Line 283, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... consists of encoded information or computer instructions, in contrast t...

^^

Line 283, column 49, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of encoded information or computer instructions, in contrast to the ph...

                                  ^^

Line 283, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...information or computer instructions, in contrast to the physical hardware...

                                  ^^

Line 283, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rmation or computer instructions, in contrast to the physical hardware fro...

                                  ^^

Line 283, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r computer instructions, in contrast to the physical hardware from which th...

                                  ^^

Line 283, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer instructions, in contrast to the physical hardware from which the sy...

                                  ^^

Line 283, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er instructions, in contrast to the physical hardware from which the system ...

^^

Line 284, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ilt. Computer software includes computer programs, libraries and related non-ex...

^^

Line 285, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cludes computer programs, libraries and related non-executable data, such as ...

^^

Line 285, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mputer programs, libraries and related non-executable data, such as online d...

^^

Line 285, column 55, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...aries and related non-executable data, such as online documentation or digita...

^^

Line 285, column 61, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and related non-executable data, such as online documentation or digital medi...

                    ^^

Line 285, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d non-executable data, such as online documentation or digital media. It is of...

                    ^^

Line 286, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ded into system software and application software Computer hardware and softwa...

                    ^^

Line 287, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tware and application software Computer hardware and software require each ...

                    ^^

Line 287, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...application software Computer hardware and software require each other and...

                    ^^

Line 287, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cation software Computer hardware and software require each other and nei...

^^

Line 287, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ftware Computer hardware and software require each other and neither can ...

               ^^

Line 287, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mputer hardware and software require each other and neither can be real...

             ^^

Line 287, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... hardware and software require each other and neither can be realistica...

           ^^

Line 287, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...are and software require each other and neither can be realistically use...

           ^^

Line 287, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and software require each other and neither can be realistically used on ...

           ^^

Line 287, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ware require each other and neither can be realistically used on its own. ...

                        ^^

Line 287, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... require each other and neither can be realistically used on its own. When ...

                        ^^

Line 287, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uire each other and neither can be realistically used on its own. When soft...

                        ^^

Line 288, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...stored in hardware that cannot easily be modified, such as with BIOS ROM in an IB...

                        ^^

Line 289, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... PC compatible computer, it is sometimes called "firmware". Programs The defini...

                        ^^

Line 290, column 8, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...tible computer, it is sometimes called "firmware". Programs The defining featu...

                              ^

Line 290, column 17, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...puter, it is sometimes called "firmware". Programs The defining feature of mod...

                              ^

Line 291, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... sometimes called "firmware". Programs The defining feature of modern computers...

                              ^^

Line 292, column 75, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puters which distinguishes them from all other machines is that they can be...

                              ^^

Line 293, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...which distinguishes them from all other machines is that they can be progra...

                              ^^

Line 293, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...inguishes them from all other machines is that they can be programmed. Tha...

                              ^^

Line 293, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ishes them from all other machines is that they can be programmed. That i...

                              ^^

Line 293, column 26, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...them from all other machines is that they can be programmed. That is to ...

                              ^^

Line 293, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rom all other machines is that they can be programmed. That is to say ...

                              ^^

Line 293, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ll other machines is that they can be programmed. That is to say that ...

                              ^^

Line 293, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s that they can be programmed. That is to say that some type of instruc...

^^

Line 293, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hat they can be programmed. That is to say that some type of instruction...

^^

Line 293, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... they can be programmed. That is to say that some type of instructions (t...

^^

Line 293, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... can be programmed. That is to say that some type of instructions (the pr...

^^

Line 293, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... be programmed. That is to say that some type of instructions (the program)...

^^

Line 293, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ogrammed. That is to say that some type of instructions (the program) can b...

^^

Line 294, column 31, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: on; won; non; son; van; ton; ion; Jon; con; Avon; vow; Mon; Lon; VOA; eon; Ron; Don; Hon; ON; Son; Van; don; ho

...ss them. Modern computers based on the von Neumann architecture often have machine...

                        ^^^

Line 294, column 35, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Newman

...hem. Modern computers based on the von Neumann architecture often have machine code in...

                        ^^^^^^

Line 294, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... architecture often have machine code in the form of an imperative programmin...

                    ^^

Line 295, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...itecture often have machine code in the form of an imperative programming la...

                    ^^

Line 295, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...re often have machine code in the form of an imperative programming language...

                    ^^

Line 295, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ften have machine code in the form of an imperative programming language. I...

               ^^

Line 295, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ne code in the form of an imperative programming language. In practical t...

               ^^

Line 295, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he form of an imperative programming language. In practical terms, a com...

               ^^

Line 295, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n imperative programming language. In practical terms, a computer program ...

               ^^

Line 295, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e programming language. In practical terms, a computer program may be just...

               ^^

Line 295, column 76, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...amming language. In practical terms, a computer program may be just a few i...

^^

Line 295, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ing language. In practical terms, a computer program may be just a few inst...

^^

Line 295, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...age. In practical terms, a computer program may be just a few instructions o...

^^

Line 296, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to many millions of instructions, as do the programs for word processors and ...

^^

Line 297, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...any millions of instructions, as do the programs for word processors and web ...

^^

Line 297, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ns of instructions, as do the programs for word processors and web browsers f...

                              ^^

Line 297, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ructions, as do the programs for word processors and web browsers for exampl...

                              ^^

Line 297, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... programs for word processors and web browsers for example. A typical mode...

                              ^^

Line 297, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r word processors and web browsers for example. A typical modern computer c...

                              ^^

Line 297, column 71, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ssors and web browsers for example. A typical modern computer can execute bi...

                              ^^

Line 297, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... web browsers for example. A typical modern computer can execute billions of...

               ^^

Line 297, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...owsers for example. A typical modern computer can execute billions of instruc...

            ^^

Line 298, column 59, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...te billions of instructions per second (gigaflops) and rarely makes a mistake over many ...

           ^^^^^^^^

Line 298, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...er second (gigaflops) and rarely makes a mistake over many years of operation. La...

           ^^

Line 299, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computer programs consisting of several million instructions may take teams ...

           ^^

Line 300, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... programs consisting of several million instructions may take teams of progr...

           ^^

Line 300, column 22, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...isting of several million instructions may take teams of programmers years ...

                         ^^

Line 300, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g of several million instructions may take teams of programmers years to w...

                         ^^

Line 300, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...everal million instructions may take teams of programmers years to write, ...

                              ^^

Line 300, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... million instructions may take teams of programmers years to write, and d...

                              ^^

Line 300, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... may take teams of programmers years to write, and due to the complexit...

                             ^^

Line 300, column 66, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y take teams of programmers years to write, and due to the complexity of...

                              ^^

Line 300, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... teams of programmers years to write, and due to the complexity of the tas...

                              ^^

Line 300, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s of programmers years to write, and due to the complexity of the task alm...

                              ^^

Line 300, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... programmers years to write, and due to the complexity of the task almost c...

                              ^^

Line 300, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...grammers years to write, and due to the complexity of the task almost certa...

                              ^^

Line 300, column 93, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ers years to write, and due to the complexity of the task almost certainly ...

                    ^^

Line 302, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ly contain errors. Programming language Programming languages provide various...

                    ^^

Line 303, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rors. Programming language Programming languages provide various ways of s...

                    ^^

Line 303, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ramming language Programming languages provide various ways of specifying ...

                    ^^

Line 303, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...anguage Programming languages provide various ways of specifying programs ...

                    ^^

Line 303, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Programming languages provide various ways of specifying programs for com...

^^

Line 303, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mming languages provide various ways of specifying programs for computers...

^^

Line 303, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g languages provide various ways of specifying programs for computers to ...

^^

Line 303, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... provide various ways of specifying programs for computers to run. Unlike ...

^^

Line 303, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... various ways of specifying programs for computers to run. Unlike natural la...

^^

Line 303, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ous ways of specifying programs for computers to run. Unlike natural languag...

^^

Line 304, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s, programming languages are designed to permit no ambiguity and to be concise. T...

                            ^^

Line 305, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e purely written languages and are often difficult to read aloud. They are ...

                         ^^

Line 306, column 10, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...itten languages and are often difficult to read aloud. They are generally ...

                      ^^

Line 306, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n languages and are often difficult to read aloud. They are generally eith...

                      ^^

Line 306, column 20, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uages and are often difficult to read aloud. They are generally either tr...

                      ^^

Line 306, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...often difficult to read aloud. They are generally either translated into...

                              ^^

Line 306, column 39, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... difficult to read aloud. They are generally either translated into mach...

                              ^^

Line 306, column 50, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to read aloud. They are generally either translated into machine code b...

                              ^^

Line 306, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ad aloud. They are generally either translated into machine code by a com...

                              ^^

Line 306, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...They are generally either translated into machine code by a compiler or an...

                              ^^

Line 306, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...erally either translated into machine code by a compiler or an assembler bef...

                              ^^

Line 306, column 93, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ither translated into machine code by a compiler or an assembler before bein...

                              ^^

Line 307, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed into machine code by a compiler or an assembler before being run, or tr...

                              ^^

Line 307, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e by a compiler or an assembler before being run, or translated directly a...

                              ^^

Line 307, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... compiler or an assembler before being run, or translated directly at run ...

                              ^^

Line 307, column 48, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ler or an assembler before being run, or translated directly at run time ...

                ^^

Line 307, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...or an assembler before being run, or translated directly at run time by ...

                ^^

Line 307, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...bler before being run, or translated directly at run time by an interpre...

                ^^

Line 307, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e being run, or translated directly at run time by an interpreter. Some...

                ^^

Line 307, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eing run, or translated directly at run time by an interpreter. Sometime...

                ^^

Line 307, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... run, or translated directly at run time by an interpreter. Sometimes pr...

^^

Line 307, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... or translated directly at run time by an interpreter. Sometimes programs...

^^

Line 307, column 93, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... translated directly at run time by an interpreter. Sometimes programs ar...

^^

Line 308, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...un time by an interpreter. Sometimes programs are executed by a hybrid ...

^^

Line 308, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...by an interpreter. Sometimes programs are executed by a hybrid method of...

^^

Line 308, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...n interpreter. Sometimes programs are executed by a hybrid method of the...

^^

Line 308, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ter. Sometimes programs are executed by a hybrid method of the two tec...

^^

Line 308, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Sometimes programs are executed by a hybrid method of the two techniq...

^^

Line 308, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ometimes programs are executed by a hybrid method of the two techniques...

^^

Line 308, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... programs are executed by a hybrid method of the two techniques. Machi...

^^

Line 308, column 75, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ms are executed by a hybrid method of the two techniques. Machine lang...

^^

Line 308, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...are executed by a hybrid method of the two techniques. Machine language...

                        ^^

Line 308, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...executed by a hybrid method of the two techniques. Machine languages an...

                        ^^

Line 308, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ted by a hybrid method of the two techniques. Machine languages and th...

                        ^^

Line 309, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...thod of the two techniques. Machine languages and the assembly languages...

                        ^^

Line 309, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he two techniques. Machine languages and the assembly languages that rep...

                        ^^

Line 309, column 37, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...wo techniques. Machine languages and the assembly languages that represen...

     ^^

Line 309, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...echniques. Machine languages and the assembly languages that represent th...

     ^^

Line 309, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Machine languages and the assembly languages that represent them (colle...

     ^^

Line 309, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...languages and the assembly languages that represent them (collectively te...

     ^^

Line 309, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ges and the assembly languages that represent them (collectively termed l...

     ^^

Line 309, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...he assembly languages that represent them (collectively termed low-level p...

                                    ^^

Line 309, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sembly languages that represent them (collectively termed low-level program...

                                    ^^

Line 310, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...es that represent them (collectively termed low-level programming languages...

                                    ^^

Line 310, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t them (collectively termed low-level programming languages) are generally ...

                                    ^^

Line 310, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lectively termed low-level programming languages) are generally unique to ...

                                    ^^

Line 310, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ermed low-level programming languages) are generally unique to the particu...

^^

Line 310, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... low-level programming languages) are generally unique to the particular ...

^^

Line 310, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... programming languages) are generally unique to the particular architectur...

^^

Line 310, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ming languages) are generally unique to the particular architecture of a...

^^

Line 310, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... languages) are generally unique to the particular architecture of a co...

^^

Line 310, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...guages) are generally unique to the particular architecture of a compute...

^^

Line 311, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... generally unique to the particular architecture of a computer's central...

^^

Line 311, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nique to the particular architecture of a computer's central processing ...

^^

Line 311, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...e to the particular architecture of a computer's central processing unit...

^^

Line 311, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...to the particular architecture of a computer's central processing unit (...

^^

Line 311, column 44, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ticular architecture of a computer's central processing unit (CPU). For ...

^^

Line 311, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...architecture of a computer's central processing unit (CPU). For instance,...

        ^^

Line 311, column 65, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of a computer's central processing unit (CPU). For instance, an ARM ar...

        ^^

Line 311, column 71, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...a computer's central processing unit (CPU). For instance, an ARM architec...

        ^^

Line 311, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... central processing unit (CPU). For instance, an ARM architecture CPU (su...

        ^^

Line 311, column 95, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...processing unit (CPU). For instance, an ARM architecture CPU (such as may...

        ^^

Line 312, column 7, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ng unit (CPU). For instance, an ARM architecture CPU (such as may be fo...

                          ^^

Line 312, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...For instance, an ARM architecture CPU (such as may be found in a smartph...

                          ^^

Line 312, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...stance, an ARM architecture CPU (such as may be found in a smartphone or ...

                          ^^

Line 312, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ce, an ARM architecture CPU (such as may be found in a smartphone or a h...

                          ^^

Line 312, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...an ARM architecture CPU (such as may be found in a smartphone or a hand-h...

                          ^^

Line 312, column 45, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...RM architecture CPU (such as may be found in a smartphone or a hand-held ...

                ^^

Line 312, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hitecture CPU (such as may be found in a smartphone or a hand-held videog...

                ^^

Line 312, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cture CPU (such as may be found in a smartphone or a hand-held videogame)...

                ^^

Line 312, column 60, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: smart phone

...e CPU (such as may be found in a smartphone or a hand-held videogame) cannot unde...

               ^^^^^^^^^^

Line 312, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... as may be found in a smartphone or a hand-held videogame) cannot understan...

                ^^

Line 312, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... found in a smartphone or a hand-held videogame) cannot understand the machine...

                  ^^

Line 313, column 1, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: video game

...ound in a smartphone or a hand-held videogame) cannot understand the machine language...

                  ^^^^^^^^

Line 313, column 54, Rule ID: EN_A_VS_AN

Message: Use 'a' instead of 'an' if the following word doesn't start with a vowel sound, e.g. 'a sentence', 'a university'

Suggestion: a

...nnot understand the machine language of an x86 CPU that might be in a PC.[106] Hi...

                  ^^

Line 313, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... language of an x86 CPU that might be in a PC.[106] Historically a significant nu...

                  ^^

Line 314, column 55, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: CPU; cup; CPA; CPI; CPR; CPO; CCU; cpl; cpd; Cpl; Cu; Pu; cps; cu

...torically a significant number of other cpu architectures were created and saw ext...

                  ^^^

Line 314, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...other cpu architectures were created and saw extensive use, notably including the...

^^

Line 315, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Technology 6502 and 6510 in addition to the Zilog Z80. Although considerably eas...

                              ^^

Line 316, column 5, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Pilot; Blog; Log; Zion; Dialog; Milo; Silo; Silos; Clog; Kilo; Kilos; Zelig; Flog; Slog; Zibo; Lilo; Zing; Zilch; Biog; Ziploc

...ology 6502 and 6510 in addition to the Zilog Z80. Although considerably easier than ...

                              ^^^^^

Line 316, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...r than in machine language, writing long programs in assembly language is often d...

                              ^^

Line 317, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...and is also error prone. Therefore, most practical programs are written in more a...

                              ^^

Line 318, column 86, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ct high-level programming languages that are able to express the needs of the pro...

                              ^^

Line 319, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mmer more conveniently (and thereby help reduce programmer error). High level lan...

                              ^^

Line 320, column 60, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...rror). High level languages are usually "compiled" into machine language (or s...

                              ^

Line 320, column 69, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...gh level languages are usually "compiled" into machine language (or sometimes ...

                              ^

Line 320, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ages are usually "compiled" into machine language (or sometimes into assembly...

                              ^^

Line 321, column 9, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sually "compiled" into machine language (or sometimes into assembly language...

                              ^^

Line 321, column 14, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y "compiled" into machine language (or sometimes into assembly language and...

           ^^

Line 321, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..." into machine language (or sometimes into assembly language and then int...

           ^^

Line 321, column 31, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... machine language (or sometimes into assembly language and then into mac...

           ^^

Line 321, column 41, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...language (or sometimes into assembly language and then into machine lang...

           ^^

Line 321, column 51, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...(or sometimes into assembly language and then into machine language) usi...

           ^^

Line 321, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sometimes into assembly language and then into machine language) using a...

                ^^

Line 321, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mes into assembly language and then into machine language) using another...

                ^^

Line 321, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nto assembly language and then into machine language) using another comp...

                ^^

Line 321, column 77, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mbly language and then into machine language) using another computer pro...

                ^^

Line 321, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...age and then into machine language) using another computer program calle...

                ^^

Line 322, column 6, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d then into machine language) using another computer program called a co...

^^

Line 322, column 15, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...into machine language) using another computer program called a compiler. H...

^^

Line 322, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ine language) using another computer program called a compiler. High level...

^^

Line 322, column 34, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uage) using another computer program called a compiler. High level languag...

^^

Line 322, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sing another computer program called a compiler. High level languages are ...

^^

Line 322, column 60, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...puter program called a compiler. High level languages are less related to...

```
                              ^^
```

Line 322, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...program called a compiler. High level languages are less related to the ...

```
                              ^^
```

Line 322, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lled a compiler. High level languages are less related to the workings of...

```
                              ^^
```

Line 322, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... a compiler. High level languages are less related to the workings of the...

```
                              ^^
```

Line 322, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...piler. High level languages are less related to the workings of the targ...

```
                              ^^
```

Line 323, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...gh level languages are less related to the workings of the target compu...

```
                              ^^
```

Line 323, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...level languages are less related to the workings of the target computer ...

           ^^

Line 323, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... languages are less related to the workings of the target computer than ...

           ^^

Line 323, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...are less related to the workings of the target computer than assembly lan...

           ^^

Line 323, column 35, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...less related to the workings of the target computer than assembly language...

           ^^

Line 323, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lated to the workings of the target computer than assembly language, and ...

           ^^

Line 323, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the target computer than assembly language, and more related to the ...

                              ^^

Line 323, column 78, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...arget computer than assembly language, and more related to the language a...

                              ^^

Line 323, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computer than assembly language, and more related to the language and s...

                              ^^

Line 323, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...uter than assembly language, and more related to the language and structu...

                              ^^

Line 324, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... assembly language, and more related to the language and structure of t...

                              ^^

Line 324, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...embly language, and more related to the language and structure of the ...

^^

Line 324, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... language, and more related to the language and structure of the probl...

^^

Line 324, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., and more related to the language and structure of the problem(s) to ...

^^

Line 324, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d more related to the language and structure of the problem(s) to be ...

^^

Line 324, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lated to the language and structure of the problem(s) to be solved by ...

^^

Line 324, column 47, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d to the language and structure of the problem(s) to be solved by the...

^^

Line 324, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the language and structure of the problem(s) to be solved by the fin...

^^

Line 324, column 64, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...age and structure of the problem(s) to be solved by the final program....

^^

Line 324, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... and structure of the problem(s) to be solved by the final program. It ...

^^

Line 324, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... structure of the problem(s) to be solved by the final program. It is t...

^^

Line 324, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ure of the problem(s) to be solved by the final program. It is therefore...

^^

Line 324, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the problem(s) to be solved by the final program. It is therefore oft...

                              ^^

Line 324, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...the problem(s) to be solved by the final program. It is therefore often po...

                          ^^

Line 324, column 96, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...oblem(s) to be solved by the final program. It is therefore often possible ...

                          ^^

Line 325, column 89, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ifferent compilers to translate the same high level language program into the mac...

                          ^^

Line 326, column 58, Rule ID: NUMEROUS_DIFFERENT[1]

Message: Use simply 'many'.

Suggestion: many

...ge program into the machine language of many different types of computer. involving thousan...

                              ^^^^^^^^^^^^

Line 326, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hine language of many different types of computer. involving thousands of lin...

               ^^

Line 327, column 12, Rule ID: UPPERCASE_SENTENCE_START

Message: This sentence does not start with an uppercase letter

Suggestion: Involving

... of many different types of computer. involving thousands of line of code and mo...

             ^^^^^^^^

Line 327, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...different types of computer. involving thousands of line of code and more...

            ^^

Line 327, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ypes of computer. involving thousands of line of code and more require ...

            ^^

Line 327, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of computer. involving thousands of line of code and more require form...

            ^^

Line 327, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputer. involving thousands of line of code and more require formal so...

^^

Line 327, column 46, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ter. involving thousands of line of code and more require formal softwa...

^^

Line 327, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...involving thousands of line of code and more require formal software me...

^^

Line 327, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ving thousands of line of code and more require formal software methodo...

^^

Line 327, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...thousands of line of code and more require formal software methodologies...

^^

Line 327, column 72, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of line of code and more require formal software methodologies.   Netwo...

                             ^^

Line 327, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ne of code and more require formal software methodologies.   Networking an...

                             ^^

Line 327, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...de and more require formal software methodologies.   Networking and the Inte...

                             ^^

Line 328, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...quire formal software methodologies.   Networking and the Internet In the 1970...

                             ^^

Line 329, column 28, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...odologies.   Networking and the Internet In the 1970s, computer engineers at rese...

                             ^^

Line 330, column 80, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...earch institutions throughout the United States began to link their computers tog...

                           ^^

Line 332, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

..., and the computer network that resulted was called the ARPANET. The technologies...

                           ^^

Line 333, column 56, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

Suggestion: Arcane; Arrant

...ARPANET. The technologies that made the Arpanet possible spread and evolved.In time, ...

                              ^^^^^^

Line 333, column 83, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...hat made the Arpanet possible spread and evolved.In time, the network spread ...

                              ^^

Line 334, column 9, Rule ID: SENTENCE_WHITESPACE

Message: Add a space between sentences

Suggestion: In

...he Arpanet possible spread and evolved.In time, the network spread beyond a...

                              ^^

Line 334, column 11, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Arpanet possible spread and evolved.In time, the network spread beyond aca...

^^

Line 334, column 18, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...t possible spread and evolved.In time, the network spread beyond academic ...

            ^^

Line 334, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...sible spread and evolved.In time, the network spread beyond academic and ...

               ^^

Line 334, column 32, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ead and evolved.In time, the network spread beyond academic and military ...

             ^^

Line 334, column 40, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... evolved.In time, the network spread beyond academic and military institu...

             ^^

Line 334, column 48, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

....In time, the network spread beyond academic and military institutions a...

             ^^

Line 334, column 58, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... the network spread beyond academic and military institutions and became...

^^

Line 334, column 63, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... network spread beyond academic and military institutions and became know...

^^

Line 334, column 73, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... spread beyond academic and military institutions and became known as the I...

^^

Line 334, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...d academic and military institutions and became known as the Internet. The e...

^^

Line 334, column 92, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ademic and military institutions and became known as the Internet. The emerge...

^^

Line 335, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...of networking involved a redefinition of the nature and boundaries of the c...

                              ^^

Line 336, column 4, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tworking involved a redefinition of the nature and boundaries of the comput...

                              ^^

Line 336, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... involved a redefinition of the nature and boundaries of the computer. Com...

                              ^^

Line 336, column 17, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...lved a redefinition of the nature and boundaries of the computer. Computer...

                              ^^

Line 336, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...inition of the nature and boundaries of the computer. Computer operating ...

                              ^^

Line 336, column 33, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ion of the nature and boundaries of the computer. Computer operating sys...

                              ^^

Line 336, column 38, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...f the nature and boundaries of the computer. Computer operating systems ...

                              ^^

Line 336, column 59, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...boundaries of the computer. Computer operating systems and applications wer...

                              ^^

Line 336, column 70, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of the computer. Computer operating systems and applications were modified ...

                              ^^

Line 336, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... computer. Computer operating systems and applications were modified to includ...

                              ^^

Line 336, column 172, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ty to define and access the resources of other computers on the network, such as ...

                ^^

Line 337, column 88, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ral devices, stored information, and the like, as extensions of the resources of ...

                ^^

Line 338, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ual computer. Initially these facilities were available primarily to people worki...

                ^^

Line 339, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...high-tech environments, but in the 1990s the spread of applications like e-mail a...

                ^^

Line 340, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nd the World Wide Web, combined with the development of cheap, fast networkin...

                ^^

Line 341, column 12, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...Wide Web, combined with the development of cheap, fast networking technologi...

^^

Line 341, column 16, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Web, combined with the development of cheap, fast networking technologies ...

^^

Line 341, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...mbined with the development of cheap, fast networking technologies like Eth...

^^

Line 341, column 30, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... with the development of cheap, fast networking technologies like Ethernet ...

^^

Line 341, column 42, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...evelopment of cheap, fast networking technologies like Ethernet and ADSL saw...

^^

Line 341, column 56, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... cheap, fast networking technologies like Ethernet and ADSL saw computer net...

^^

Line 341, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...technologies like Ethernet and ADSL saw computer networking become almost ubiqui...

                         ^^

Line 342, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...s. In fact, the number of computers that are networked is growing phenomenally. A...

                         ^^

Line 343, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...y large proportion of personal computers regularly connect to the Internet to com...

                         ^^

Line 344, column 75, Rule ID: EN_QUOTES[1]

Message: Use a smart opening quote here: 'â€œ'.

Suggestion: â€œ

...to communicate and receive information. "Wireless" networking, often utilizing m...

                         ^

Line 344, column 84, Rule ID: EN_QUOTES[2]

Message: Use a smart closing quote here: 'â€•'.

Suggestion: â€•

...icate and receive information. "Wireless" networking, often utilizing mobile pho...

                         ^

Line 344, column 85, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cate and receive information. "Wireless" networking, often utilizing mobile phone...

             ^^

Line 345, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tworks, has meant networking is becoming increasingly ubiquitous even in mobile c...

             ^^

Line 347, column 24, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...g environments. Artificial intelligence A computer will solve problems in exactl...

             ^^

Line 348, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...tly the way it is programmed to, without regard to efficiency, alternative soluti...

             ^^

Line 349, column 91, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ble shortcuts, or possible errors in the code. Computer programs that learn and a...

             ^^

Line 350, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...part of the emerging field of artificial intelligence and machine learning. Art...

                                    ^^

Line 351, column 25, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... of artificial intelligence and machine learning. Artificial intelligence bas...

                                    ^^

Line 351, column 48, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...gence and machine learning. Artificial intelligence based products generally...

                                    ^^

Line 351, column 62, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ine learning. Artificial intelligence based products generally fall into t...

                                    ^^

Line 351, column 69, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...arning. Artificial intelligence based products generally fall into two majo...

                                    ^^

Line 351, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rtificial intelligence based products generally fall into two major categori...

^^

Line 351, column 90, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...intelligence based products generally fall into two major categories: rule ba...

^^

Line 351, column 96, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...igence based products generally fall into two major categories: rule based sy...

^^

Line 352, column 84, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ms and pattern recognition systems. Rule based systems attempt to represent the r...

^^

Line 353, column 82, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...les used by human experts and tend to be expensive to develop. Pattern based syst...

^^

Line 354, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ems use data about a problem to generate conclusions. Examples of pattern bas...

Line 355, column 23, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...blem to generate conclusions. Examples of pattern based systems include voi...

Line 355, column 27, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... to generate conclusions. Examples of pattern based systems include voice ...

Line 355, column 36, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ate conclusions. Examples of pattern based systems include voice recogniti...

Line 355, column 43, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...nclusions. Examples of pattern based systems include voice recognition, fo...

Line 355, column 52, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

.... Examples of pattern based systems include voice recognition, font recog...

Line 355, column 67, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... pattern based systems include voice recognition, font recognition, transla...

                              ^^

Line 355, column 81, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ed systems include voice recognition, font recognition, translation and the e...

                              ^^

Line 355, column 87, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...stems include voice recognition, font recognition, translation and the emergin...

                              ^^

Line 357, column 79, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...oughout society, there are an increasing number of careers involving computers. ...

                              ^^

Line 360, column 1, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...omputers. Computer-related professions   Electrical engineering, Electronic engin...

                              ^^

Line 361, column 57, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eering, Electronic engineering, Computer Hardware- engineering, Telecommunication...

                                ^^

Line 363, column 53, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

... Telecommunications engineering, Optical related engineering, Nanoengineering C...

                                ^^

Line 364, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...unications engineering, Optical related engineering, Nanoengineering Computer s...

                                ^^

Line 365, column 14, Rule ID: MORFOLOGIK_RULE_EN_US

Message: Possible spelling mistake found

...neering, Optical related engineering, Nanoengineering Computer science, Computer engineering...

                                ^^^^^^^^^^^^^^

Line 365, column 29, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...l related engineering, Nanoengineering Computer science, Computer engineering, ...

                                ^^

Line 367, column 68, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...ion, Information technology, Information related systems, Computational science,...

                              ^^

Line 368, column 8, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...rmation technology, Information related systems, Computational science, Software...

                              ^^

Line 368, column 74, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...cience, Software engineering, Video game industry, Web design

                              ^^

Line 369, column 21, Rule ID: WHITESPACE_RULE

Message: Possible typo: you repeated a whitespace

Suggestion:

...eering, Video game industry, Web design

                              ^^^^