Q1 Academic Honesty
0 Points

It is a violation of the Academic Integrity Code to look at any reference material other than your textbook and lecture notes, or to give inappropriate help to someone or to receive unauthorized aid by someone in person or electronically via messaging apps such as WhatsApp. Academic Integrity is expected of all students of Hacettepe University at all times, whether in the presence or absence of members of the faculty. Do NOT sign nor take this exam if you do not agree with the honor code.

Understanding this, I declare I shall not give, use or receive unauthorized aid in this examination.

Signature (Specify your name and surname as your signature)

> Mehmet Taha USTA MTUSTA

Q2 Linear Search
1 Point

Assume that you are searching for a value that is stored in the last element of a 1000-element list using the linear search algorithm. How many elements will the search code have to read to locate the value?

> 1000 elements

Q3 Digital Computers
1 Point

A set of instructions that tells a computer how to carry out a task is called _____

○ operating system

◉ program

○ compiler

○ programming language

Q4 Digital Computers
1 Point

True or False: A CPU understands instructions that are written only in assembly language.

⦿ True

◯ False

Q5 Programming Languages
1 Point

Which of the following is a semantic error?

⦿ subtracting an integer from a string

◯ dividing a number by 0

◯ forgetting to write the outer parentheses in the formula for compound interest given as $p*(1+(r/n)**(n*t))$

Q6 Programming Languages
1 Point

A program that both translates and executes the instructions at runtime in a high-level language program is called _____

◯ compiler

⦿ interpreter

◯ assembler

Q7 Python programming
1 Point

True or False: The following is a legal variable name in Python: _11111111

⦿ True

◯ False

Q8
1 Point

What should be the value of **x** so that the expression

`x + 2 * 6 // 3 - 1` evaluates to 9?

6

Q9
1 Point

Assume your computer is using ASCII codes to represent characters (letters, digits, etc.). Further assume that you wrote a program to sort strings in descending order. What would be the output of such a program, if you wanted to sort the list below?

abc, Abc, ABC, abC, 1abc, Abc1

◉ abc, abC, Abc1, Abc, ABC, 1abc

◯ abc, abC, Abc, Abc1, ABC, 1abc

◯ 1abc, abc, abC, Abc1, Abc, ABC

◯ 1abc, abc, abC, Abc, Abc1, ABC

Q10
1 Point

Which of the following programming languages is different than others?

◉ C

◯ C++

◯ C#

◯ Java

Q11
1 Point

Which of the following programming languages is different than others?

○ C

○ Java

○ Basic

◉ All Different

Q12
1 Point

What would be the content of **strvar** variable if the output of **print(strvar)** statement is **P\ytho\n**.

Note: Provide your answers **without** quotes/blank spaces.

P\ytho\\n.

Q13
1 Point

Assume you have a computer running a 32-bit operating system with 2GB (1 Giga Byte = 2**30 bytes) of RAM. Further assume that you purchase additional 6 GB of RAM and plug it into your computer.

So, what can we assume/think/say about you?

○ You are not good at binary numbers

◉ You might use only half the memory at most

○ You wasted money

○ All of the above

Short Exam 2

● **GRADED**

STUDENT
MEHMET TAHA USTA

TOTAL POINTS
10 / 12 pts

QUESTION 1
Academic Honesty   **0** / 0 pts

QUESTION 2
Linear Search   R   **1** / 1 pt

QUESTION 3
Digital Computers   **1** / 1 pt

QUESTION 4
Digital Computers   **0** / 1 pt

QUESTION 5
Programming Languages   **1** / 1 pt

QUESTION 6
Programming Languages   **1** / 1 pt

QUESTION 7
Python programming   **1** / 1 pt

QUESTION 8
(no title)   **1** / 1 pt

QUESTION 9
(no title)   **1** / 1 pt

QUESTION 10
(no title)   **1** / 1 pt

QUESTION 11
(no title)   **1** / 1 pt

QUESTION 12
(no title)   R   **1** / 1 pt

QUESTION 13
(no title)   **0** / 1 pt