Assignment -1.

The difference between interpreter and compiler:

| - | compiler. | La company of the same of the |
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| | | 1 11 11 11 11 11 11 11 |
| Proposition | COMPILER | INTERPRETER |
| 1. | compiler works on the | Interpreter works line- |
| | complete program at once. | by-line. It takes one |
| | It takes the entire | statement at a time |
| water | program I code as input. | as input. |
| 400 | other feet of the pres | been Institutions |
| 2. | Compiler- generates | Interpreter does not |
| | intermediate code, called | generate intermediate |
| | the object code or | object code or |
| sod 4 | machine code. | machine code: |
| 25 25 | ota catacolatri | it think com |
| 1. 3. | Compiler executes | Interpreter enecute |
| 4.77 | conditional control | conditional control |
| | statements (like if - | statements at a |
| 11-20 | else and switch - case) | much slower speed. |
| Asc. | and logical constructs | mas at conserva or |
| 30.10.0 | faster than interpreter. | who had a sound to be |
| cutic | insura ti ti glica | |
| 4. | compiled programs takes | Interpreter does not |
| | more memory because | generate intermediate |
| 2300 | the entire object code | object code, As a result |
| as tu | has to reside in | interpreted programs |
| 22/10/ | memory. | are more memory |
| 1 000 | ase as good down | efficient. |

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| | | produce the first field of the second |
|-------|-------------------------|---------------------------------------|
| 5. | compile once and | Interpreted programs |
| | run anytime. Compiled | are interpreted line - |
| | program does not need | by-line every time. |
| | to be compiled every | they are run. |
| | time. | NELIGIMOD |
| 31 | was cots potat satt | vo electronista en |
| 6. | Errors are reported | Errors are reported |
| | after the entire | as soon as the first |
| | program is checked for | error is encountered. |
| | syntactical and other | Rest of the program will |
| tor | errors. | not be checked until the |
| High | could generate interior | existing error is removed. |
| | a chiech cule on | a box cooper and |
| 7, | A compiled language is | Debugging is easy because |
| | more difficult to | interpreter stops and |
| | debug. | reports errors as it |
| | satura lavaltiboon : | encounters them. |
| | to the matel - til | catemarta (like |
| 8. | Compiler does not allow | Interpreter runs the |
| | a program to run until | program from first |
| | | line and stops execution |
| | fee free. | only if it encounters an |
| Sec | who coloqueted ald is | error, blance |
| diate | energy grands intermed | Warman Brane |
| 9. | compiled languages are | Interpreted languages are |
| Arres | more efficient but | less efficient but easier |
| 1000 | difficult to debug. | to debug. This makes |
| | eldicierat. | such languages an ideal |
| | | choice for new students. |
| | | |

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|)0. | Examples of programming languages that use compilers: - c, c++, coBol | Examples of programming languages that use interpreters: BASIC, Visual Basic, Python, Ruby, PHP, Perl, Lisp MATLAB |
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