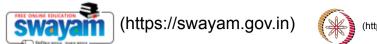
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reviewer4@nptel.iitm.ac.in ~

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Problem solving through Programming In C (course)

Announcements (announcements) About the Course (https://swayam.gov.in/nd1_noc20_cs06/preview)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 4 - Week 2

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

- Lecture 6 :
 Types of
 Software and
 Compilers (unit?
 unit=3&lesson=20)
- Lecture 7: Introduction to C Programming Language (unit? unit=3&lesson=21)
- Lecture 8:

 Variables and
 Variable Types
 in C (unit?
 unit=3&lesson=22)
- Lecture 9 : Introducing Functions (unit? unit=3&lesson=23)

Assignment 2

The due date for submitting this assignment has passed. Due on 2020-02-12, 23:59 IST. As per our records you have not submitted this assignment.

1) Which of the following is not a C variable?

1 point

- a) Count123
- **b)** Count 123
- oc) Count@123
- d) X 123 Count

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) Count(a),123

2) A function 1 point

- a) is a block of statements to perform some specific task
- b) is a fundamental modular unit to perform some task
- c) has a name and can be used multiple times
- d) All the above options are true

No, the answer is incorrect.

Score: 0

Accepted Answers:

- d) All the above options are true
- 3) Which of the following statement is correct?
 - a) System software is dependent on application software.
 - b) Application software is dependent on system software.
 - oc) Both are independent of each other.

1 point

- Lecture 10: Address and Content of Variables and Types (unit? unit=3&lesson=24)
- Quiz:
 Assignment 2
 (assessment?
 name=94)
- Feedback For Week 2 (unit? unit=3&lesson=97)

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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Assignment Solution

Od) None of the above.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b) Application software is dependent on system software.
- 4) Syntax error occurs when

1 point

1 point

- a) The rules of grammar of the programming language is violated
- b) The statements in the program have no meaning
- c) The program gives wrong or undesired output
- d) Some illegal operation(e.g. divide by zero) is done

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a) The rules of grammar of the programming language is violated
- 5) If integer needs two bytes of storage, then the minimum value of a signed integer in C would be
 - a) $-(2^{16}-1)$
 - b) 0
 - \circ c) $-(2^{15}-1)$
 - $(-d) 2^{15}$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$$d) - 2^{15}$$

6) Which of the following statement is correct?

1 point

- I. Keywords are those words whose meaning is already defined by Compiler.
- II. Keywords cannot be used as variable name.
- III. There are 32 keywords in C.
- IV. C keywords are also called as reserved words.
 - a) I and II
 - b) II and III
 - c) I, II and IV
 - d) All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

d) All of the above

```
7) What is the output?
                                                                              1 point
     #include<stdio.h>
     #define fun(x) (x*x)
     int main()
         float i;
         i = 64.0/fun(2);
         printf("%.2f", i);
         return 0;
     }
  a) 8.00
  b) 4.00
  o) 0.00
  d) 16.00
 No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 d) 16.00
8) What will be the output?
                                                                              1 point
   #include <stdio.h>
   int main()
     float a = 6.0;
     printf ("%.2f", (9/5)*a + 11);
     return 0;
   }
  a) 21.00
  b) 19.00
  \circ c) 0.00
  d) 17.00
 No, the answer is incorrect.
 Score: 0
Accepted Answers:
d) 17.00
9)
                                                                              1 point
```

The following C program converts the temperature from Celsius (C) to Fahrenheit (F). Fill the blanks with the proper formula to do it.

```
#include <stdio.h>
   int main()
   {
     float C = 37.5, F;
     \mathbf{F} =
     printf("%.2f", F);
     return 0;
  a) 1.8*C +32
  \bigcirc b) 1.8*(C + 32)
  oc) 1.8*C - 32
  Od) C/1.8 + 32
 No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 a) 1.8*C +32
10)
                                                                            1 point
The following C program swaps the value of two numbers without using any third
variable. What will be the correct option to fill up the blank?
#include <stdio.h>
int main()
  int a=2, b=3;
  printf("The values before swapping a = \%d, b = \%d", a, b);
  printf("The values after swapping a = \%d, b = \%d", a, b);
  return 0;
  a) a=a-b; b=a-b; a=a+b;
  b) a=a%b; b=a+b; a=a/b;
  oc) a=a+b; b=a-b; a=a-b;
  d) None of the above
 No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 c) a=a+b; b=a-b; a=a-b;
```