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shariprakashece@gmail.com ⌄

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming In Java

(https://onlinecourses.nptel.ac.in/noc22_cs47/course)

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Week 0 : Assignment 0

Assignment not submitted

1)   *1 point*

In C programming, what is the use of %d format specifier in printf() function?

a.   Prints double type value
b.   Prints integer type value
c.   Prints character type value
d.   Prints string type value

○ a.

🔘 b.

○ c.

○ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

2)   *1 point*

Course outline

How does an NPTEL online course work?

Week 0 :

○ **Practice:
Week 0 :
Assignment 0
(https://onlinecourses.nptel.ac.in/noc22_cs47/assessment?
name=127)**

Consider the following code and answer the questions.

```
int main()
{
    int a[8] = {3, 1, 0, 5, 2, 7, 6, 4};
}
```

What is the value of a[a[a[3]]]? Select your correct answer from the following options.

    A. Program is with a compile-time error
    B. Program is with a run-time error
    C. NULL
    D. 4

    ○ A.
    ○ B.
    ◉ C.
    ○ D.

No, the answer is incorrect.
Score: 0

Accepted Answers:
D.

3)   *1 point*

Which of the following is not a valid identifier in C programming language?

    a. 21Guns
    b. No
    c. yes
    d. *p

    ◉ a.
    ○ b.
    ○ c.
    ○ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

4)   *1 point*

Consider the following function definition:

```
functionCheck( int a, int b)
{
    return (( a < b ) ? 0 : ( a - b ));
}
```

Let x, y be any two non-negative integers. What does the function `functionCheck(x, functionCheck(x, y))` do? Select your correct answer from the following choices.

a. Maximum of x and y.
b. Positive difference of x and y.
c. Sum of x and y.
d. Minimum of x and y.

○ a.
◉ b.
○ c.
○ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

5)   **1 point**

What will be the output of the following code?

```
#include<stdio.h>

#define myfunc(i, j) i##j

int main()
{
    int v1 = 40;
    int v2 = 0;
    printf("%d", myfunc(1, 1)*myfunc(v, 1));
    return 0;
}
```

Select your correct answer from the following choices.

a. 40
b. 400
c. 440
d. 0

○ a.
○ b.
○ c.

○ d.

6)   *1 point*

To store the string "Javajuly", how many bytes that a C-compiler will take? Select your correct answer from the following options.

     a.   4 bytes.
     b.   5 bytes.
     c.   8 bytes.
     d.   9 bytes.

○ a.
○ b.
○ c.
◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

7)   **Which of the following operator has the lowest priority ?**   *1 point*

     a.   ++

     b.   +

     c.   %

     d. ||

○ a.
○ b.
○ c.
◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

8)   **In the declaration given below, what is "array"?**   *1 point*

```
int array[20];
```

     a.   It is a keyword
     b.   It is a literal
     c.   It is an operator
     d.   It is a pointer

○ a.
○ b.

○ c.

◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

9) **What will be the output of the following C code?**   *1 point*

```
#include <stdio.h>
    int main()
    {
        void foo();
        printf("1 ");
        foo();
    }
    void foo()
    {
        printf("2 ");
    }
```

Select your correct answer from the following choices.

A. 1 2

B. It will give compile-time error

C. 2 1 2

D. Depends on the compiler

○ A.

◉ B.

○ C.

○ D.

No, the answer is incorrect.
Score: 0
Accepted Answers:
A.

10) Which of the following is a valid C expression?   *1 point*

A. int my_num = 100,000;

B. int my_num = 100000;

C. int my num = 1000;

D. int $my_num = 10000;

○ A.

◉ B.

○ C.

○ D.

Yes, the answer is correct.
Score: 1

Accepted Answers:
B.

11)   **1 point**

Consider the following declarations:

```
float x=12.0, y=6.0;
int a=4, b=3;
float z;
```

What is the value of **z** computed in each of the following assignment statements?

```
i.    z = x / y + a / b ;
ii.   z = a / b * b / a * x ;
iii.  z = (x / y) > 1 ? x : y ;
iv.   z = (int) (x + b) / a % b ;
```

Select your correct answer from the following choices.

A. 3.0, 0.0, 12.0, 0.0
B. 0.0, 0.0, 0.0, 0.0
C. 0.0, 0.0, 12.0, 0.0
D. 3.0, 0.0, 12.0, 1.0

○ A.

○ B.

○ C.

◉ D.

No, the answer is incorrect.
Score: 0

Accepted Answers:
A.

12)   **1 point**

Consider the following declarations:

```
#include<stdio.h>

   void main()
   {
      int i, j = 10; y = 0;
      for(i = 0; i < j; i++)
          while(j) y += j--;
      printf("%d", y);
   }
```

What will be the output of the program? Select your option from the following.

    A. 100
    B. 10×9×8× ...×3×2×1
    C. 10+9+8+ ... +3+2+1
    D. 0

🔘 A.
⭕ B.
⭕ C.
⭕ D.

No, the answer is incorrect.
Score: 0
Accepted Answers:
C.

13)   **1 point**

A function `foo(int)` **is defined as follows:**

```
int foo(int i) {
      int x=1, j = 1;

      while (i) {
          x *= j;
          j++;
          if(j<7) continue;
          else break;
      }
      return x;
   }
```

What will be the output of the program? Select your option from the following.

    A. The program will be with compilation error
    B. 6×5×4×3×2×1
    C. 6+5+4+3+2+1
    D. The program will be with an infinite loop and hence not return any value.

⭕ A.
⭕ B.

C.

D.

No, the answer is incorrect.
Score: 0
Accepted Answers:
B.

14) **Which of the following statement(s) is/are NOT true.**   *1 point*

    A. Java is an object-oriented programming language
    B. C is an object-oriented programming language
    C. C++ is an object-oriented programming language
    D. C# is an object-oriented programming language.

A.

B.

C.

D.

Yes, the answer is correct.
Score: 1
Accepted Answers:
B.

15)   *1 point*

Which of the following is NOT possible in C programming without using specialized libraries?

    A. Dynamic memory allocation
    B. Running multiple functions concurrently.
    C. Recursive execution of a function.
    D. Working with abstract data types.

A.

B.

C.

D.

Yes, the answer is correct.
Score: 1
Accepted Answers:
B.

| Check Answers and Submit |

Your score is: 8/15