Assignment 5

The due date for submitting this assignment has passed. Due on 2020-03-04, 23:59 IST. As per our records you have not submitted this assignment.

1) What will be printed when the following code is executed?

```c
#include<stdio.h>
int main()
{
    int i=0;
    for(;i<=9;)
    {
        i++;
        printf("%d ", i);
    }
    return 0;
}
```

a) 0 1 2 ... 9  
b) 0 1 2 ... 10  
c) 1 2 3 ... 9  
d) 1 2 3 ... 10

No, the answer is incorrect.
Score: 0
Loops (Contd.)
(unit?unit=6&lesson=38)

Lecture 25:
Example of Loops (Contd.), Use of FOR Loops (unit?unit=6&lesson=39)

Quiz:
Assignment 5 (assessment?name=104)

Week-05
Problem-01 (/noc20_cs06/progassignment?name=118)

Week-05
Problem-02 (/noc20_cs06/progassignment?name=119)

Week-05
Problem-03 (/noc20_cs06/progassignment?name=120)

Week-05
Program-04 (/noc20_cs06/progassignment?name=121)

Week-05
Program-05 (/noc20_cs06/progassignment?name=122)

Feedback For Week 5 (unit?unit=6&lesson=130)

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Accepted Answers:

d) 1 2 3 ... 10

2) Continue statement used

- a) to continue to the next line of code
- b) to debug
- c) to stop the current iteration and begin the next iteration from the beginning
- d) None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

- c) to stop the current iteration and begin the next iteration from the beginning

Compute the printed value of i of the C code given below

```c
#include <stdio.h>

int main()
{
    int i = 0, j = 0;
    while (i < 4, j < 5)
    {
        i++;
        j++;
    }
    printf("%d, %d\n", i, j);
    return 0;
}
```

- a) 4, 5
- b) 4, 4
- c) 5, 5
- d) 0, 0

No, the answer is incorrect.
Score: 0

Accepted Answers:

- c) 5, 5

4)
The following program takes n, a positive integer as input. What is the purpose of the program?

```c
#include <stdio.h>
int main()
{
    int n, i;
    unsigned long long result = 1;
    printf("Enter an integer: ");
    scanf("%d", &n);

    for(i=1; i<=n; ++i)
    {
        result*= i;
    }
    printf("The output of the program is %llu", result);
    return 0;
}
```

- a) n multiplied n times
- b) factorial of n
- c) display factors of n
- d) display Fibonacci series upto n.

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

b) factorial of n
What will be the output?
#include <stdio.h>
int main()
{
    switch(printf("IIT"))
    {
        default:
            printf(" Guwahati");
        case 1: printf(" Delhi");
            break;
        case 2: printf(" Kharagpur");
            break;
        case 3: printf(" Madras");
            break;
    }
    return 0;
}

- a) IIT Delhi
- b) IIT Kharagpur
- c) IIT Madras
- d) IIT Guwahati

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) IIT Madras

What will be the output?
#include <stdio.h>
int main()
{
    if((0 && 1)||(1 && -1))
        printf("Condition is true.");
    else
        printf("Condition is false.");
    return 0;
}
Problem solving through Programming In C - - Unit 7 - Week 5

7) What will be the output of the following code?

```c
#include <stdio.h>
int main()
{
    int c=1;
    while(c<=5)
    {
        if(c==3)
            break;
        printf("%d ", c);
        c++;
    }
    return 0;
}
```

- a) 1 2 3 4 5
- b) 1 2 4 5
- c) 1 2
- d) 4 5

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) 1 2
8) What will be output of the C code?
#include <stdio.h>
int main()
{
    char x=0;
    for(x=0; x<=127; x++) {
        printf("%d ", x);
    }
    return 0;
}

(a) Compilation error (b) 0, 1, 2, ….., 127 (c) 0, 1, 2, ….., 127, -128, -127, ……., -2, -1, 0, 1, ……. infinite loop (d) 1, 2, 3……., 127

No, the answer is incorrect.
Score: 0
Accepted Answers: (c) 0, 1, 2, ….., 127, -128, -127, ……., -2, -1, 0, 1, ……. infinite loop

9) The following if-block inside a function is intended to check whether n is a leap year. The expression in the blank is ________________________.

if(n%100 == 0){
    if (________) {
        printf("%d is a leap year.\n", n);
        return 0;
    }
    if(n%4 == 0){
        printf("%d is a leap year.\n", n);
        return 0;
    }
}

(a) n==4  (b) n%400 != 0  (c) n>0  (d) n%400 == 0

No, the answer is incorrect.
Score: 0
Accepted Answers: (d) n%400 == 0
What is the output of the following code?

```c
#include <stdio.h>
int main()
{
    int i=0;
    do
    {
        printf("while vs do-while\n");
    } while(i==0);
    printf("Out of loop");
    return 0;
}
```

- a) ‘while vs do-while’ once
- b) ‘Out of loop’ infinite times
- c) Both ‘while vs do-while’ and ‘Out of loop’ once
- d) ‘while vs do-while’ infinite times

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

d) ‘while vs do-while’ infinite times