

CSE 1061 PSUC LAB-Internal Assessment-2-2021 [Lab-3 & Lab- 4]-Section-T

1

```
i)
while (i < n)
    i++;

ii)
do
{ i++;
} while (i <= n);
```

What is the number of times **while** loop and **do-while** loop condition in the given C code snippet is tested, if "**i**" is initialized to **0** in both cases.

(1 Point)

- ☐ n, n
- ☒ n, n+1
- ☐ n+1, n
- ☐ n+1, n+1

2

```
#include<stdio.h>
int main()
{
    int a=4;

    while(a=120)
    {
        printf("Hello\t");
        break;
    }
    printf("Hi");

    return 0;
}
```

What is the output of the following C code?
(1 Point)

- ☐ Hi
- ☐ Hello
- ☒ Hello Hi
- ☐ Hello Hello

3

What is the output of the following C code?
(1 Point)

```
#include<stdio.h>
void main()
{
    int i=0;
    while(i<5)
    {
        if(i==2||i==4)
        {
            i++;
            continue;
        }
        if(i>2)
        {
            break;
        }
        printf("%d",i);
        i++;
    }
}
```

- ☐ 00
- ☐ 11

☒ 01

☐ 10

4

Which loop is guaranteed to execute at least one time.
(1 Point)

☐ for

☐ while

☒ do-while

☐ Both for and do-while

5

What is the output of the following C code?
(1 Point)

```
#include<stdio.h>
int main()
{
    int a=10;

    do
    {
        printf("%d ", a);
        a++;
        if(a > 15)
            break;
    }while(1);

    return 0;
}
```

☐ 10 11 12 13 14 15 16

☒ 10 11 12 13 14 15

☐ Compile error

☐ 10 11 12 13 14

6

```
#include <stdio.h>
int main()
{
    int i;
    for(i=0;i<10;i++);
    printf("%d",i);
    return 0;
}
```

What will be the output of the following C code?
(1 Point)

- ☐ 10
- ☐ 0123456789
- ☒ Syntax error
- ☐ 0
- ☐ Infinite loop

7

```
#include <stdio.h>
int main()
{
    int k, j;
    for(k=1,j=10;k<=5;k++)
    {
        printf("%d ",(k+j));
    }
    return 0;
}
```

What will be the output of the following C code?
(1 Point)

- ☐ compiler error
- ☐ 10 10 10 10 10

☒ 11 12 13 14 15

☐ None of the above

8

```
for(x=1;x=3;x++)
```

How long the following for loop runs in C program?
(1 Point)

☐ Three times

☐ Four times

☒ Infinte

☐ Zero times

9

Choose a correct statement for C.
(1 Point)

☐ Loops or Repetition block executes a group of statements repeatedly

☐ Loop is usually executed as long as a condition is met

☐ Loops usually take advantage of Loop Counter

☒ All the above

10

In a C program, if the condition is missing in the for loop.
(1 Point)

- ☒ it is assumed to be present and taken to be false
- ☐ it is assumed to be present and taken to the true
- ☐ it result in a syntax error
- ☐ execution will be terminated abruptly

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