

Computer Science - ICS Part 2 Computer Science Chapter 12 Short Questions Preparation

```
Q1. Find output of the following code.
#include <stdio.h>
Void main

{
Int i, p=1;
For (i = 1; I < 6; I +=1)
P* 2;
Printf ("p is = %d",p);
}

Ans 1: Output;
2
2
2
2
2
```

Q2. Write any two uses of loop.

Ans 1:

- 1. In any programming language, loops are used to execute a set of statements repeatedly until a particular condition is satisfied.
- 2. We don't want to write those multiple lines of code again and again, thus you put a loop.

```
Q3. Write Output.
Int x= 5, y= 3;
Do
{
X= x*2;
Y = y+2;
}
While (y<7);
Printf("%d",x);

Ans 1: Output:
10
```

Q4. Write syntax of while loop, both for single statement and for multiple statement.

```
Ans 1: Syntax for Single Statement and Multiple Statements:
While (condition)
{
statements(s);
}
```

```
Ans 1: For Loop: The for statement is another way of implementing loops in C. Because of its flexibility, most programmers prefer the for statement to implements loops.

Syntax: The syntax of the for loops is as follows:

For (initialization expression: test condition; increment/decrement expression)

{
Statement(s);
}
```

```
Q6. Predict the output of the following piece of code .
Int I = 1;
While.(i< = 5)
{
Printf ("Pakistan");
I ++;
}
```

```
Ans 1: Output:
Pakistan
Pakistan
Pakistan
Pakistan
Pakistan
Pakistan
Pakistan
Pakistan
```

```
Q7. Convert the following loop code into Do-while loop code. Int n = 1;  
While (n< =10)  
{    Printf ("*\n");  
N ++;  
}
```

```
Ans 1: Conversion:

Void main ()
{
Int n = 1:
Do
{
Printf("%d\n",*);
N = n+1;
}while (n < =10);
}
```

```
Q8. Trace the output .
Int a =1;
While (a < =6)
{
printf("\n a=%d",a)
a+ =1;
}
```

Ans 1: Output: 1

```
2
  3
  4
  5
  6
Q9. Predict the output from the following code.
Int n;
Clrscr ();
For (n = 5; n > = 1; n - 1)
Printf ("%d\n',n);
getch();
  Ans 1: Output:
  5
  4
  3
  2
  1
Q10. Determine output of the following code segment.
Int n = 1;
Do
{
Printf("Pakistan\n");
N++;
} while (n<=4);
  Ans 1: Output:
  Pakistan
  Pakistan
  Pakistan
  Pakistan
```