1.

Predict the output of the following code.

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

○ 1 2 3 4 5 6 7 8 9

○ 12345678910

○ 1 1 1 1 1 1 1 1 1 1 1

◉ 1 2 3 4 5 6 7 8 9 10

2.

What will be the output of the following code snippet?

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

◉ 1 2 3 4 5 6 7 8 9 10

○ 1 2 3 4 5 6 7 8 9 10 11

○ 1 2 3 4 5 6 7 8 9

○ 12345678910

3.

Predict the output of the following program.

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

○ 1 2 3 4 5 6 7 8 9 10

○ 1 2 3 4 5 6 7 8 9 10 11

○ 2 3 4 5 6 7 8 9 10

◉ 2 3 4 5 6 7 8 9 10 11

4.

What will be the output of the following code snippet?

```
#include<stdio.h>
void main()
{
    int p, q, r;
    p = 7;
    q = 3;
    r = 6;
    for(r=3;r<=4;r++){
        p=(q+12)+r;
    }
    for(r=5;r<=6;r++){
        p=(q+q)+r;
    }
    printf("%d", p+q);
}
```

○ 17

○ 10

○ 27

◉ 15

5.

What will be the output of the following program?

```
#include<stdio.h>
void main(){
    int a = 9, b = 5, c = 4;
    for(c=2;c<=5;c++){
        b = b + a;
    }
    c = (11+5)+c;
    printf("%d", a+b);
}
```

◉ 50

○ 55

○ 47

○ 54

6.

What will be the output of the following code snippet?

```c
#include<stdio.h>
void main(){
    int a = 5, b = 10, n = 1, c;
    while(n<5){
        c = a + b;
        a = b;
        b = c;
        printf("%d ", c);
        n = n + 1;
    }
}
```

- ● **15 25 40 65**
- ○ 15 30 60 120
- ○ 15 20 25 30
- ○ 15 30 45 60

7.

What will be the output of the following program?

```c
#include<stdio.h>
void main(){
    int n = 1, x = 10, y = 10, z = 10, sum = 0, i = 0;
    while(i <= n){
        sum = (x+y+z) * (x-y-z);
        i++;
    }
    printf("%d", sum);
}
```

- ● **-300**
- ○ 31
- ○ 30
- ○ 29

8.

What will be the output of the following program?

```c
#include<stdio.h>
void main(){
    int num = 1;
    while(num <= 15){
        num = num + 1;
    }
    printf("%d", num);
}
```

- ○ 1
- ○ 15

○ 14

● 16

9.

Predict the output of the following piece of code?

```c
#include<stdio.h>
void main(){
    int b = 10, a = 1, c;
    for(c=1;c<=2;c++){
        a = (a+c)*c;
        b = b-c;
    }
    if(0){
        b = a-1;
        a = a-1;
        a = b+1;
    }
    else{
        a = b+1;
        b = a-1;
        a = a-1;
    }
    printf("%d", a+b+c);
}
```

○ 10

○ 25

● 17

○ 20

10.

What is the output of the following program?

```c
#include<stdio.h>
void main(){
    int x = 5, y = 6;
    int ans = 0;
    while(y!=0){
        ans = ans+x;
        y = y-1;
    }
    printf("%d", ans);
}
```

● 30

○ 21

○ 11

○ 15

11.

What is the output of this code?

```
a = 5
b = 10
n = 1
Repeat until(n < 5):
   c = a + b
   a = b
   b = c
   print(c)
   n = n + 1
```

- ○ 15 30 45 60
- ◉ 15 25 40 65
- ○ 15 20 25 30
- ○ 15 30 60 120

12. **What is the output for the following code?**

```
num = 1
Repeat till(num <= 15) {
   num = num + 1
}
Print(num)
```

- ○ 1
- ○ 14
- ○ 15
- ◉ 16

13. **What is the output of this code?**

```
a = 1
b = 2
c = 3
d = 4
n = 1
Repeat until(n <= 5):
   c = a * c
   d = a * d
   print(c)
   n = n + 1
```

- ○ 1 1 1 1
- ○ 2 2 2 2
- ◉ 3 3 3 3
- ○ 4 4 4 4

14. **What will be the output for below pseudoode for x = 5 and y = 6**

READ x and y

```
SET ans = 0
WHILE  y != 0
ans = ans + x
y = y - 1
EndWHILE
PRINT ans
```

- ○ 11
- ○ 21
- ○ 15
- ● 30

15. **What will be the output of the following pseudocode?**

```
Set integer value = 56
Set integer res = 0
while(value not equals 0) do
m = value % 10
res = res * 10 + m
value = value / 10
display res
```

- ○ 55
- ○ 105
- ● 65
- ○ 85