

## **Assignment - 4 A Job Ready Bootcamp in C++, DSA and IOT**

### **Iterative Control Statements**

1. Write a program to print MySirG 5 times on the screen.

```
int main()
{
    int i;
    for(i=1;i<=5;i++)
        printf("MySirG\n");

    return 0;
}
```

2. Write a program to print the first 10 natural numbers.

```
int main()
{
    int i;
    printf("First 10 Natural Numbers\n");
    for(i=1;i<=10;i++)

        printf("%d ",i);

    return 0;
}
```

3. Write a program to print the first 10 natural numbers in reverse order.

```
#include<stdio.h>
```

```
int main()
{
    int i=10;
    printf("First 10 Natural Numbers in reverse order\n");

    for(i=10;i>=1;i--)
    {
        printf("%d ",i);
    }

    return 0;
}
```

4. Write a program to print the first 10 odd natural numbers.

```
int main()
{
    int i=1;
    printf("First 10 odd natural numbers\n");
```

```

for(i=1;i<=20;i+=2 )
{
    printf("%d ",i);

}
return 0;
}

```

5. Write a program to print the first 10 odd natural numbers in reverse order.

```

int main()
{
    int i;
    printf("First 10 Natural odd Numbers in reverse order \n");

    for(i=19;i>=1;i-=2)
    {
        printf("%d ",i);
    }
    return 0;
}

```

6. Write a program to print the first 10 even natural numbers.

```

int main()
{
    int i;
    printf("First 10 natural even numbers \n");

    for(i=2;i<=20;i+=2)
    {
        printf("%d ",i);
    }
    return 0;
}

```

7. Write a program to print the first 10 even natural numbers in reverse order.

```

int main()
{
    int i;
    printf("First 10 natural even numbers \n");

    for(i=20;i>=2;i-=2)
    {
        printf("%d ",i);
    }
    return 0;
}

```

8. Write a program to print squares of the first 10 natural numbers .

```

int main()
{
    int i;
    printf("First 10 natural even numbers \n");
}

```

```

    for(i=1;i<=10;i++)
    {
        printf("%d ",i*i);
    }
    return 0;
}

```

9. Write a program to print cubes of the first 10 natural numbers.

```

int main()
{
    int i;
    printf("First 10 natural even numbers \n");

    for(i=1;i<=10;i++)
    {
        printf("%d ",i*i*i);
    }
    return 0;
}

```

10. Write a program to print a table of 5.

```

int main()
{
    int i;
    printf("First 10 natural even numbers \n");

    for(i=1;i<=10;i++)
    {
        printf("%d ",5*i);
    }
    return 0;
}

```