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

Iterative Control Statements

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

```
#include<stdio.h>
int main()
    {
        int x=1;
        while(x<=5)
            {
                printf("MySirG ");
                x++;
            }
        return 0;
    }
```

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

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

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

```
#include<stdio.h>
int main()
    {
        int x=10;
        while(x>=1)
            {
                printf("%d ",x);
                x--;
            }
        return 0;
    }
```

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

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

```
int main()
  {
      int x,s;
      for(x=0;x<10;x++)
          {
              s=2*x+1;
              printf("%d ",s);
          }
      return 0;
  }
```

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

```
#include<stdio.h>
int main()
  {
      int x,s;
      for(x=9;x>=0;x--)
         {
             s=2*x+1;
             printf("%d ",s);
         }
      return 0;
  }
```

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

```
#include<stdio.h>
 int main()
    {
       int x,s;
       for(x=0;x<10;x++)
           {
               s=2*x+2;
               printf("%d ",s);
           }
       return 0;
      }
```

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

```
#include<stdio.h>
 int main()
    {
```

```
    int x,s;
    for(x=9;x>=0;x--)
        {
            s=2*x+2;
            printf("%d ",s);
        }
    return 0;
}
```

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

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

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

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

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

```
#include<stdio.h>
 int main()
    {
        int x,s;
```

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