

Assignment 5 Solution

Q.1 //Write a program to print MySirG N times on the screen

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("\nHow many time do you want to print \"MySirG\" on Screen: \n");
    printf("\nEnter the count:");
    scanf("%d",&num);
    for(int i=1 ;i<=num;i++)
    {
        printf("\n\"MySirG\"");
    }
    return 0;
}
```

Q.2 //Write a program to print the first N natural numbers.

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("\nHow many natural number do you want to print?");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=1;i<=num;i++)
    {
        printf("\n %d",i);
    }
    return 0;
}
```

Q.3 // Write a program to print the first N natural numbers in reverse order

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("\nHow many natural number do you want to printf in reverse order");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=num;i>=1;i--)
    {
        printf("\n%d",i);
    }
    return 0;
}
```

Q.4 //Write a program to print the first N odd natural numbers

//Solution:

```
#include<stdio.h>

int main(){
    int num,count=0;
    printf("\nHow many odd number do you want to print?");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=1;num;i++)
    {
        if(i&1==1)
        {
            printf("\n%d",i);
            count++;
        }
        if(count==num)
        {
            break;
        }
    }
    return 0;
}
```

Q.5 //Write a program to print the first N odd natural numbers in reverse order.

//Solution:

```
#include<stdio.h>

int main(){
    int num,count=0;
    printf("\nHow many odd number do you want to print in reverse order?");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=num*2;num;i--)
    {
        if(i&1==1)
        {
            printf("\n%d",i);
            count++;
        }
        if(count==num)
        {
            break;
        }
    }
    return 0;
}
```

Q.6 //Write a program to print the first N even natural numbers

//Solution:

```
#include<stdio.h>

int main(){
    int num,count=0;
    printf("\nHow many even number do you want to printf?");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=1;num;i++)
    {
        if(i%2==0)
```

```

    {
        printf("\n%d",i);
        count++;
    }
    if(count==num)
    {
        break;
    }
}
return 0;
}

```

Q.7 //Write a program to print the first N even natural numbers in reverse order

//Solution:

```

#include<stdio.h>

int main(){
    int num,count=0;
    printf("\n How many even number d you want to ptintf in reverse order?");
    printf("\nEnter the amount:");
    scanf("%d",&num);
    for(int i=num*2;num;i--)
    {
        if(i%2==0)
        {
            printf("\n%d",i);
            count++;
        }
        if(count==num)
        {
            break;
        }
    }
    return 0;
}

```

Q.8 //Write a program to print squares of the first N natural numbers

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("Enter the amount:");
    scanf("%d",&num);
    for(int i=1;i<=num;i++)
    {
        printf("\n%d",i*i);
    }
    return 0;
}
```

Q.9 //Write a program to print cubes of the first N natural numbers

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("Enter the amount:");
    scanf("%d",&num);
    for(int i=1;i<=num;i++)
    {
        printf("\n%d",i*i*i);
    }
    return 0;
}
```

Q.10 //Write a program to print a table of N.

//Solution:

```
#include<stdio.h>

int main(){
    int num;
    printf("Enter the number whose table you want to print:");
    scanf("%d",&num);
    for(int i=1;i<=10;i++)
```

```
{  
    printf("\n%d x %d = %d",num,i,num*i);  
}  
return 0;  
}
```