

Assignment - 5

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

More on Iterative Control Statements

Submitted By:

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

```
#include<stdio.h>

int main() {
    int i = 0,n;
    printf("Required to repeat: ");
    scanf("%d", &n);
    while(i<n) {
        printf("MySirG\n");
        i++;
    }
    return 0;
}
```

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

```
#include<stdio.h>

int main() {
    int i = 1,n;
    printf("program to print the first N natural\n");
    printf("Enter value of n: ");
    scanf("%d",&n);
    while(i<n+1) {
        printf("%d\n",i);
        i++;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int i;
    printf("print the first N natural numbers in reverse
order\nEnter value of n: ")    ;
    scanf("%d",&i);
    while(i>0){
        printf("%d\n", i);
        i--;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int i=0,n;
    printf("print the first N odd natural numbers\nEnter
value of n: ");
    scanf("%d",&n);
    while(i<n){
        printf("%d\n",2*i+1);
        i++;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int i;
    printf("print the first N odd natural numbers in
reverse order\nEnter value of n: ");
    scanf("%d",&i);
    while(i>0){
        printf("%d\n",2*i-1);
        i--;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int n=1,i;
    printf("print the first N even natural numbers\nEnter
value of n: ");
    scanf("%d",&i);
    while(n<i+1){
        printf("%d\n",2*n);
        n++;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int n;
    printf("print the first N even natural numbers in
reverse order\nEnter value of n: ");
    scanf("%d", &n);
    while(n>=1){
        printf("%d\n",2*n);
        n--;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main(){
    int n=1,i;
    printf("print squares of the first N natural
numbers\nEnter value of n: ");
    scanf("%d", &i);
    while(n<=i){
        printf("%d\n",n*n);
        n++;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main() {
    int n=1,i;
    printf("print cubes of the first 10 natural
numbers\nEnter value of n: ");
    scanf("%d",&i);
    while(n<i+1){
        printf("%d\n",n*n*n);
        n++;
    }
    return 0;
}
```

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

```
#include<stdio.h>
int main() {
    int i=1,n;
    printf("Enter a number to find table of: ");
    scanf("%d", &n);
    while(i<11){
        printf("%d\n",i*n);
        i++;
    }
    return 0;
}
```