Assignment – 5

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

MySirG

More on Iterative Control Statements

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

ANS:-1

#include<stdio.h>

int main()

{

int N;

printf("ENTER THE VALUE OF N\n");

scanf("%d",&N);

for (int i=1;i<=N ;i++)

{

printf("MySirG\n");

}

return 0;

}

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

ANS:-2

#include <stdio.h>

int main()

{

int i, n;

printf("Enter Any Number : ");

scanf("%d", &n);

printf("Natural numbers from 1 to %d : \n", n);

for(i=1; i<=n; i++)

{

printf("%d\n", i);

}

return 0;

}

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

ANS:-3

#include <stdio.h>

int main()

{

int i, n;

printf("Enter Any Number : ");

scanf("%d", &n);

printf("Natural numbers from 1 to %d : \n", n);

for(i=n; i>=1; i--1)

{

printf("%d\n", i);

}

return 0;

}

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

ANS:-4

#include <stdio.h>

int main()

{

int n,i;

printf("Enter Any Number : ");

scanf("%d", &n);

for(i=1; i<=n; i++)

{

printf("%d ",2\*i - 1);

}

return 0;

}

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

ANS:-5

#include <stdio.h>

int main()

{

int n,i;

printf("Enter Any Number : ");

scanf("%d", &n);

for(int i=n;i>=1; i--)

{

printf("%d ",2\*i - 1);

}

return 0;

}

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

ANS:-6

#include <stdio.h>

int main()

{

int n,i;

printf("Enter Any Number : ");

scanf("%d", &n);

for(int i=n;i>=1; i--)

{

printf("%d ",2\*i - 1);

}

return 0;

}

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

ANS:-7

#include <stdio.h>

int main()

{

int n,i;

printf("Enter Any Number : ");

scanf("%d",&n);

for(int i=n;i>=2;i--)

{

if (i%2==0)

printf("%d ",i);

}

return 0;

}

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

ANS:-8

#include<stdio.h>

int main()

{

int x;

printf("ENTER ANY NUMBER,WHOSE SQUARE YOU WANT :-");

scanf("%d",&x);

for( int i=1; i <= x; i++)

printf("%d ",i \* i );

return 0;

}

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

ANS:-

#include<stdio.h>

int main()

{

int x;

printf("ENTER ANY NUMBER,WHOSE CUBE YOU WANT :-");

scanf("%d",&x);

for( int i=1; i <= x; i++)

printf("%d ",i \* i \*i );

return 0;

}

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

ANS:-

|  |
| --- |
| #include <stdio.h> |
|  | int main() |
|  | { |
|  | int n; |
|  | printf("Which number table you want to print: "); |
|  | scanf("%d", &n); |
|  | int i = 1; |
|  | while (i <= 10) |
|  | { |
|  | printf("%d\n", i \* n); |
|  | i++; |
|  | } |
|  | return 0; |
|  | } |