***ASSIGNMENT-5***

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

Ans-#include <stdio.h>

int main()

{

int i=1,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

printf("MySirG\n");

}

/\*

i=1;

do

{

printf("MySirG\n");

i++;

}while(i<=N);

i=1;

while(i<=N)

{

printf("MySirG\n");

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

printf("%d ",i);

}

/\*

i=1;

do

{

printf("%d ",i);

i++;

}while(i<=N);

i=1;

while(i<=N)

{

printf("%d ",i);

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

printf("%d ",i);

}

/\*

i=N;

do

{

printf("%d ",i);

i--;

}while(i>=1);

i=N;

while(i>=1)

{

printf("%d ",i);

i--;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=1;

do

{

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

i++;

}while(i<=N);

i=1;

while(i<=N)

{

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

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=N;

do

{

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

i--;

}while(i>=1);

i=N;

while(i>=1)

{

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

i--;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=1;

do

{

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

i++;

}while(i<=N);

i=1;

while(i<=N)

{

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

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=N;

do

{

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

i--;

}while(i>=1);

i=N;

while(i>=1)

{

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

i--;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=1;

do

{

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

i++;

}while(i<=N);

i=1;

while(i<=N)

{

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

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("Enter N value: ");

scanf("%d",&N);

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

{

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

}

/\*

i=1;

do

{

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

i++;

}while(i<=N);

i=1;

while(i<=N)

{

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

i++;

}\*/

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int i,N;

printf("enter the N value: ");

scanf("%d",&N);

for(i=1;i<=10;i++)

{

printf("%dx%d=%d\n",N,i,N\*i);

}

/\*

i=1;

do

{

printf("%dx%d=%d\n",N,i,N\*i);

i++;

}while(i<=10);

i=1;

while(i<=10)

{

printf("%dx%d=%d\n",N,i,N\*i);

i++;

}\*/

return 0;

}