Assignment-6

Q-1

Ans

#include<stdio.h>

int main()

{

int i,n,sum=0;

printf("Enter number\n");

scanf("%d",&n);

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

{

sum=sum+i;

}

printf("\n");

printf(" Sum of first n natural numbers:%d",sum);

return 0;

}

Q-2

Ans

#include<stdio.h>

int main()

{

int i,n,sum=0;

printf("Enter number\n");

scanf("%d",&n);

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

{

sum=sum+2\*i;

}

printf("\n");

printf(" Sum of first n even natural numbers:%d",sum);

return 0;

}

Q-3

Ans

#include<stdio.h>

int main()

{

int i,n,sum=0;

printf("Enter number\n");

scanf("%d",&n);

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

{

sum=sum+2\*i-1;

}

Jiprintf("\n");

printf(" Sum of first n odd natural numbers:%d",sum);

return 0;

}

Q-4

Ans

#include<stdio.h>

int main()

{

int i,n,sum=0;

printf("Enter number\n");

scanf("%d",&n);

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

{

sum=sum+i\*i;

}

printf("\n");

printf(" Sum of square of first n natural numbers:%d",sum);

return 0;

}

Q-5

Ans

#include<stdio.h>

int main()

{

int i,n,sum=0;

printf("Enter number\n");

scanf("%d",&n);

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

{

sum=sum+i\*i\*i;

}

printf("sum of cube of the first n natural numbers:is %d\n ",sum);

return 0;

}

Q-6

Ans

#include<stdio.h>

int main()

{

int i,n;

int fact=1;

printf("Enter number\n");

scanf("%d",&n);

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

{

fact= fact\*i;

}

printf("factori of number is %d\n",fact);

return 0;

}

Q-7

Ans

#include<stdio.h>

int main()

{

int n;

int z=0;

printf("Enter number\n");

scanf("%d",&n);

while(n!=0)

{

n=n/10;

z++;

}

printf("Digit of given number is %d\n",z++);

return 0;

}

Q-8

Ans

#include<stdio.h>

int main()

{

int i,n,flag=0;

printf("Enter number\n");

scanf("%d",&n);

for(i=2;i<n;i++)

{

if(n%i==0)

flag=1;

break;

}

if(flag==1)

printf("Not prime");

else

printf("Prime");

return 0;

}

Q-9

Ans

#include<stdio.h>

int main()

{

int x,y,i;

printf("Enter two numbers\n");

scanf("%d %d",&x,&y);

for(i=1;i<=100;i++)

{

if((i%x==0) &&(i%y==0))

{

break;

}

}

printf("LCM of two numbers are: %d",i);

return 0;

}

Q-10

Ans

#include <stdio.h>

int main() {

int n, reverse = 0, remainder;

printf("Enter number\n");

scanf("%d", &n);

while (n != 0) {

remainder = n % 10;

reverse = reverse \* 10 + remainder;

n /= 10;

}

printf("Reversed number = %d", reverse);

return 0;

}