//DAY-2

//1.Program to access digits of a given integer and print them

#include <stdio.h>

int main()

{

int n,rem,sum=0;

printf("Enter the number:\n");

scanf("%d",&n);

while(n!=0)

{

rem=n%10;

printf("%d\t",rem);

n=n/10;

}

return 0;

}

//2.Program to access digits of a given integer and print them in order

#include <stdio.h>

int main()

{

int n,rem,i=0,j,a[10];

printf("Enter the number:\n");

scanf("%d",&n);

while(n!=0)

{

rem=n%10;

a[i++]=rem;

n=n/10;

}

printf("The digits in order are\n");

for(j=i-1;j>=0;j--)

{

printf("%d\t",a[j]);

}

return 0;

}\*/

//3.Program to print even and odd digits of given integer

#include<stdio.h>

int main()

{

int n,rem,dig;

printf("Enter the number:\n");

scanf("%d",&n);

while(n!=0)

{

dig=n%10;

n=n/10;

rem=dig%2;

if(rem==0)

printf("%d is even\n",dig);

else

printf("%d is even\n",dig);

}

}

/\*//4.Program to check whether given number is prime or not

void main() {

int n, i, flag = 0;

printf("Enter a positive integer: ");

scanf("%d", &n);

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

{

if (n % i == 0)

{

flag = 1;

break;

}

}

if (flag == 0)

printf("%d is a prime number.", n);

else

printf("%d is not a prime number.", n);

}\*/

/\*//5.Program to print prime numbers from 2 to numbers

void main()

{

int i, j, n,flag;

printf("enter n: ");

scanf("%d", &n);

printf("All prime numbers between 2 to %d are:\n",n);

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

{

flag = 1;

for(j=2; j<=i/2; j++)

{

if(i%j==0)

{

flag = 0;

break;

}

}

if(flag==1)

{

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

}

}

}\*/