1.write a program to check whether a given number is positive or non positive.

#include<stdio.h>

int main()

{

int num;

printf("enter a number");

scanf("%d",&num);

if(num>0)

printf("positive");

if(num<=0)

printf("non positive");

getch();

}

2.write a program to check whether a given number is divisible by 5 or not.

#include<stdio.h>

int main()

{

int num;

printf("enter a number");

scanf("%d",&num);

if(num%5==0)

printf("divisible by 5");

else

printf("not divisible by 5");

getch();

}

3.write a program to check whether a given number is an even number or an odd number.

#include<stdio.h>

int main()

{

int num;

printf("enter a number");

scanf("%d",&num);

if(num%2==0)

printf("even number");

else

printf("odd number");

getch();

}

12.write a program to check whether a given alphabet is in uppercase or lowercase.

#include<stdio.h>

int main()

{

char c;

printf("enter a character ");

scanf("%c",&c);

if(c>='A'&& c<='Z')

printf("upper case");

else if

(c>='a'&& c<='z')

printf("lower case");

getch();

}

13. write a program to check whether a given number is divisible by 3 and divisible by 2.

#include<stdio.h>

int main()

{

int n;

printf("enter a number ");

scanf("%d",&n);

if(n%3==0 && n%2==0)

printf("\n divisible by 3 and divisible by 2");

else

printf("\n not both divisible by 3 and divisible by 2");

getch();

}

14. write a program to check whether a given number is divisible by 7 and divisible by 3.

#include<stdio.h>

int main()

{

int n;

printf("enter a number ");

scanf("%d",&n);

if(n%3==0 || n%7==0)

printf("\n divisible by 3 and divisible by 7");

else

printf("\n not both divisible by 3 and divisible by 7");

getch();

}

15. write a program to check whether a given number is positive ,negative, or zero.

#include<stdio.h>

int main()

{

int n;

printf("enter a number ");

scanf("%d",&n);

if(n>0)

printf("\n positive");

else if(n<0)

printf("negative");

else if(n==0)

printf("zero");

getch();

}