**#include**"stdio.h"

Void main()

{

/\* start of EX1

int x;

printf("enter a number: ");

fflush(stdout);

scanf("%d",&x);

if (x%2==0)

{

printf("%d is even ",x);

}

else

{

printf("%d is odd ",x);

}

\*/ //end of EX1

/\*start of EX2

char alpha;

printf("enter alphabet: ");

fflush(stdout);

scanf("%c",&alpha);

switch(alpha)

{

case 'a':

case 'A':

{

printf("%c is vowel", alpha);

}

break;

case 'e':

case 'E':

{

printf("%c is vowel", alpha);

}

break;

case 'i':

case 'I':

{

printf("%c is vowel", alpha);

}

break;

case 'o':

case 'O':

{

printf("%c is vowel", alpha);

}

break;

case 'u':

case 'U':

{

printf("%c is vowel", alpha);

}

break;

default:

{

printf("%c is consonant", alpha);

}

}\*/// end of EX2

/\* start of EX3

**float** a,b,c;

**printf**("enter 3 different number: ");

**fflush**(stdout);

**scanf**("%f ",&a);

**printf**("\n");

**scanf**("%f ",&b);

**printf**("\n");

**scanf**("%f ",&c);

**if** (a>b && a>c)

{

**printf**("%f is the largest of the numbers ",a);

}

**else** **if**(b>a && b>c)

{

**printf**("%f is the largest of the numbers ",b);

}

**else** **if**(c>a && c>b)

{

**printf**("%f is the largest of the numbers ",c);

}

**else**

{

**printf**("wrong numbers");

}\*/// end of EX3

/\* start of EX4

**float** num;

**printf**("enter number: ");

**scanf**("%f",&num);

**if**(num>0)

{

**printf**("%f is a positive number ",num);

}

**else** **if**(num<0)

{

**printf**("%f is a negative number ",num);

}

**else** **if**(num==0)

{

**printf**(" you entered zero ");

}

**else**

{

**printf**("you entered a wrong number");

}\*/// end of EX4

/\* start of EX5

char charcter;

printf("enter character: " );

fflush(stdout);

scanf("%c",&charcter);

switch(charcter)

{

case 'a':

case 'A':

{

printf("%C is an alphabet",charcter);

}

break;

case 'b':

case 'B':

{

printf("%C is alphabet",charcter);

}

break;

case 'c':

case 'C':

{

printf("%C is an alphabet",charcter);

}

break;

case 'd':

case 'D':

{

printf("%C is an alphabet",charcter);

}

break;

case 'e':

case 'E':

{

printf("%C is an alphabet",charcter);

}

break;

case 'f':

case 'F':

{

printf("%C is an alphabet",charcter);

}

break;

case 'g':

case 'G':

{

printf("%C is an alphabet",charcter);

}

break;

case 'h':

case 'H':

{

printf("%C is an alphabet",charcter);

}

break;

case 'i':

case 'I':

{

printf("%C is an alphabet",charcter);

}

break;

case 'j':

case 'J':

{

printf("%C is an alphabet",charcter);

}

break;

case 'k':

case 'K':

{

printf("%C is an alphabet",charcter);

}

break;

case 'l':

case 'L':

{

printf("%C is an alphabet",charcter);

}

break;

case 'm':

case 'M':

{

printf("%C is an alphabet",charcter);

}

break;

case 'n':

case 'N':

{

printf("%C is an alphabet",charcter);

}

break;

case 'o':

case 'O':

{

printf("%C is an alphabet",charcter);

}

break;

case 'p':

case 'P':

{

printf("%C is an alphabet",charcter);

}

break;

case 'q':

case 'Q':

{

printf("%C is an alphabet",charcter);

}

break;

case 'r':

case 'R':

{

printf("%C is an alphabet",charcter);

}

break;

case 's':

case 'S':

{

printf("%C is an alphabet",charcter);

}

break;

case 't':

case 'T':

{

printf("%C is an alphabet",charcter);

}

break;

case 'u':

case 'U':

{

printf("%C is an alphabet",charcter);

}

break;

case 'v':

case 'V':

{

printf("%C is an alphabet",charcter);

}

break;

case 'x':

case 'X':

{

printf("%C is an alphabet",charcter);

}

break;

case 'y':

case 'Y':

{

printf("%C is an alphabet",charcter);

}

break;

case 'z':

case 'Z':

{

printf("%C is an alphabet",charcter);

}

break;

default:

{

printf("%C is not an alphabet",charcter);

}

break;

}

\*/// end of EX5

/\* start of EX6

**int** number,sum=0;

**printf**("enter number: ");

**fflush**(stdout);

**scanf**("%d",&number);

**for**(**int** i=1; i<=number;i++)

{

sum+=i;

}

**printf**("sum= %d",sum);

\*/// end of EX6

/\* start of EX7

**int** number,fact=1;

printf("enter number: ");

fflush(stdout);

scanf("%d",&number);

**if** (i>=0)

{

**for**(**int** i=1; i<=number;i++)

{

fact\*=i;

}

printf("factorial= %d",fact);

}

**else**

printf("factorial of negative number doesn't exist");

\*///end of EX7

/\* start of EX8

**float** x,y;

**char** operator;

**printf**("enter your operator: ");

**fflush**(stdout);

**scanf**("%c",&operator);

**printf**("enter two numbers: ");

**fflush**(stdout);

**scanf**("%f,%f",&x,&y);

**switch**(operator)

{

**case** '+':

{

**float** sum;

sum=x+y;

**printf**("%f + %f = %f",x,y,sum);

}

**break**;

**case** '-':

{

**float** sub;

sub=x-y;

**printf**("%f - %f = %f",x,y,sub);

}

**break**;

**case** '\*':

{

**float** multi;

multi=x\*y;

**printf**("%f \* %f = %f",x,y,multi);

}

**break**;

**case** '/':

{

**float** div;

div=x/y;

**printf**("%f / %f = %f",x,y,div);

}

**break**;

**default**:

{

**printf**("wrong operator, try again");

}

**break**;

}\*///end of EX8

**return** 0;

}

**#include**"stdio.h"

**int** **main**()

{

**for**(**int** i=0; i<10;i++)

{

**for**(**int** j=i; j<10;j++)

{

**printf**("%d \t ",j);

}

**printf**("\n");

}

**return** 0;

}