**C program to check odd or even**

#include<stdio.h>

void main()

{

int no;

clrscr();

printf("Enter any number: ");

scanf("%d",&no);

if(no%2==0)

{

printf("Even num");

}

else

{

printf("Odd num");

}

}

## Prime number program in C

#include <stdio.h>

int main()

{

int i, num, p = 0;

printf("Please enter a number: \n");

scanf("%d", &num);

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

{

if(num%i==0)

{

p++;

}

}

if(p==2)

{

printf("Entered number is %d "\

"and it is a prime number.",num);

}

else

{

printf("Entered number is %d "\

"and it is not a prime number.",num);

}

}

## Calculator program in C

#include<stdio.h>

void main()

{

char choice;

int a,b,res=0;

printf("Enter First value: ");

scanf("%d",&a);

printf("\n Enter Operator: ");

choice=getch();

printf("\n Enter Second value: ");

scanf("%d",&b);

switch(choice)

{

case '+':

res=a+b;

printf("Sum: %d",res);

break;

case '-':

res=a-b;

printf("Difference: %d",res);

break;

case '\*':

res=a\*b;

printf("Product: %d",res);

break;

case '/':

res=a/b;

printf("Quotient: %d",res);

break;

default:

printf("Enter Valid Operator!!");

}

}

**Program to convert celsius to fahrenheit**

#include<stdio.h>

void main()

{

float cel, far;

printf("Enter temp. in Celsius: ");

scanf("%f",&cel);

far = cel \* 9/5 + 32;

printf("Temp. in Fahrenheit: %f",far);

}

**Find table of any number**

#include<stdio.h>

void main()

{

int i,no,table=1;

printf("Enter any number : ");

scanf("%d",&no);

printf("Table of %d \n",no);

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

{

table=no\*i;

printf("%d",table);

printf("\n");

}

}

**Program to check leap year**

#include<stdio.h>

void main()

{

int y;

printf("Enter any year: ");

scanf("%d",&y);

if(y%4==0)

{

printf("Leap year");

}

else

{

printf("Not a leap year");

}

}

**WAP to input cp(cost price) and sp(selling price) through the key board to determine whether the seller has made profit or loss, determine how much profit he made and loss he incurred.**

#include<stdio.h>

void main()

{

float cp,sp,profit,loss;

printf("Enter the value of cp and sp: ");

scanf("%f %f",&cp,&sp);

if(sp>cp)

{

profit=sp-cp;

printf("%f is profit",profit);

}

else

{

loss=cp-sp;

printf("%f is loss",loss);

}

}

**WAP to input a character through key board and display if character is a uppercase, lowercase or a special character**

#include<stdio.h>

void main()

{

char ch;

printf("Enter a character: ");

scanf("%c", ch);

if(ch>=65 && ch<=91)

{

printf("you enter an uppercase”);

}

elseif(ch>=97 && ch<=122)

{

printf("you enter a lowercase);

}

elseif(ch>=48 && ch<=57)

{

printf(“you enter a digit”)

}

else

{

printf(“you enter a specisl character”)

}

}

**Loop**

**WAP to print number start from 20 and skip one digit in a descending order.**

**program to find the following patteren**

**\***

**\* \***

**\* \* \***

**\* \* \* \***

**\* \* \* \* \***

#include <stdio.h>

int main()

{

int i, j, rows;

printf("Enter number of rows: ");

scanf("%d",&rows);

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

{

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

{

printf("\* ");

}

printf("\n");

}

return 0;

}

### Program to print half pyramid a using numbers

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

#include <stdio.h>

int main()

{

int i, j, rows;

printf("Enter number of rows: ");

scanf("%d",&rows);

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

{

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

{

printf("%d ",j);

}

printf("\n");

}

return 0;

}

### Inverted half pyramid using \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

**Source Code**

#include <stdio.h>

int main()

{

int i, j, rows;

printf("Enter number of rows: ");

scanf("%d",&rows);

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

{

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

{

printf("\* ");

}

printf("\n");

}

return 0;

}

### Inverted half pyramid using numbers

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

#include <stdio.h>

int main()

{

int i, j, rows;

printf("Enter number of rows: ");

scanf("%d",&rows);

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

{

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

{

printf("%d ",j);

}

printf("\n");

}

return 0;

}

### Program to print full pyramid using \*

\*

\* \* \*

\* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

**Source Code**

#include <stdio.h>

int main()

{

int i, space, rows, k=0;

printf("Enter number of rows: ");

scanf("%d",&rows);

for(i=1; i<=rows; ++i, k=0)

{

for(space=1; space<=rows-i; ++space)

{

printf(" ");

}

while(k != 2\*i-1)

{

printf("\* ");

++k;

}

printf("\n");

}

return 0;

}

### Print Floyd's Triangle.

1

2 3

4 5 6

7 8 9 10

**Source Code**

#include <stdio.h>

int main()

{

int rows, i, j, number= 1;

printf("Enter number of rows: ");

scanf("%d",&rows);

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

{

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

{

printf("%d ", number);

++number;

}

printf("\n");

}

return 0;

}