Task1: Check biggest number from n numbers without array.

Program:-

#include<stdio.h>

void main()

{

int i,max=0,num,n;

clrscr();

printf("Enter the size:");

scanf("%d",&n);

printf("Enter array elements");

for(i=0;i<n;i++)

{

scanf("%d",&num);

if(num>max)

max=num;

}

printf("\n%d\n",max);

getch();

}

Task2: Take a number n, and find the biggest digit in that number. Eg. n=187 then 8 is big number

Program:-

#include<stdio.h>

void main()

{

int i,max=0,num,n;

clrscr();

printf("Enter the number:");

scanf("%d",&n);

while(n!=0)

{

num=n%10;

if(num>max)

max=num;

n=n/10;

}

printf("\n%d\n",max);

getch();

}

Task3: Print lowest and highest character from.given n characters.

Program:-

#include<stdio.h>

void main()

{

int i,n;

char ch;int max=0,min=999;

clrscr();

printf("Enter the size:");

scanf("%d",&n);

printf("Enter characters\n");

for(i=0;i<n;i++)

{

scanf("%c",&ch);

if(ch>max)

max=ch;

if(ch<min)

min=ch;

}

printf("\n%c\n",(char)max);

printf("%c",(char)min);

getch();

}

Task4: Take input as number and convert into words. Eg. n= 125 then, One Two Five

Program:-

#include<stdio.h>

#include<math.h>

void main()

{

int num,count=0,f=1,digit;

clrscr();

printf("Enter number:\n");

scanf("%d",&num);

count=log10(num)+1;

f=f\*pow(10,count);

while(f>1)

{

f=f/10;

digit=num/f;

num=num%f;

switch(digit)

{

case 1:

printf("One\t");

break;

case 2:

printf("Two\t");

break;

case 3:

printf("Three\t");

break;

case 4:

printf("Four\t");

break;

case 5:

printf("Five\t");

break;

case 6:

printf("Six\t");

break;

case 7:

printf("Seven\t");

break;

case 8:

printf("Eight\n");

break;

case 9:

printf("Nine");

break;

}

}

}

Task5: Take input as number, and find sum of factorials of each digit. And check that number is same as given input, if so then print it is strong number. Eg. n=145 then, Strong Number bcoz, 1!+4!+5!= 145

Program:-

#include<stdio.h>

#include<math.h>

int fact(int n);

void main()

{

int num,count=0,f=1,digit,factsum=0,product,temp;

clrscr();

printf("Enter number:\n");

scanf("%d",&num);

temp=num;

count=log10(num)+1;

f=f\*pow(10,count);

while(f>1)

{

f=f/10;

digit=num/f;

num=num%f;

product=fact(digit);

factsum=factsum+product;

}

factsum==temp?printf("Strong Number\n"):printf("Not a Strong Number\n");

getch();

}

int fact(int n)

{

if(n>=1)

return n\*fact(n-1);

else

return 1;

}

Task6: Take input as a character, and print the nth preceeding character. Eg. ch= 'a', n=9 then, ch='j' and if ch='x' n=5 then, ch='c'.

Program:-

#include<stdio.h>

void main()

{

char ch;

int loc;

clrscr();

printf("Enter the character\n");

scanf("%c",&ch);

printf("Enter n value\n");

scanf("%d",&loc);

if((ch+loc)>122)

printf("%c",((ch+loc)-26));

else

printf("%c",(ch+loc));

getch();

}

Task7: Take a given number as n, and convert into binary number. Eg. n=9, then 1001 (decimal to octal).

Program:-

#include<stdio.h>

void main()

{

int num,i=1,y;

int x=0;

clrscr();

printf("Enter number\n");

scanf("%d",&num);

while(num!=0)

{

y=num%2;

num=num/2;

x+=y\*i;

i\*=10;

}

printf("%d",x);

getch();

}

Task8: Take a given number as n, and convert into octal number. Eg. n= 130, then 202 is answer

Program:-

#include<stdio.h>

void main()

{

int num,i=1,y;

int x=0;

clrscr();

printf("Enter number\n");

scanf("%d",&num);

while(num!=0)

{

y=num%8;

num=num/8;

x+=y\*i;

i\*=10;

}

printf("%d",x);

getch();

}

Task10: Take input as floating point number, output should be round, floor and ceil value.

Program:-

#include<stdio.h>

#include<math.h>

void main()

{

float num;

clrscr();

printf("Enter number:");

scanf("%f",&num);

printf("%.2f\n",num);

printf("%f\n",floor(num));

printf("%f\n",ceil(num));

getch();

}