// write a C program to check least significant and most significant number.

#include<stdio.h>

int main()

{

int num ,I,j,k,rev\_num;

rev\_num =0;

printf(“enter the number”);

scanf(“%d”,&num);

i = num%10;

while(num>0)

{

j =num%10;

rev\_num =rev\_num\*10+j;

num=num/10;

}

k = rev%10;

printf(“least significant number:%d\nMost significant number :%d”,i,j);

return 0;

}

// Write a C program to find the factorial of a given number.

#include<stdio.h>

int main(),

{

int num,i,fact;

fact = 1;

printf(“enter the number”);

scanf(“%d”,&num);

for(i =1;i < = num/2;i++)

{

fact = i\*fact;

}

printf(“factorial :%d”,fact);

return 0;

}

// write a program to swapping nibbles in a byte.

#include<stdio.h>

int main()

{

int num,swap;

printf(“enter the number”);

scanf(“%d”,num);

swap=( (x & 0x0F)<<4 | (x & 0xF0)>>4 );

printf(“%d”,swap);

return 0;

}

// write a program for counting number of one’s and zero’s in an integer.

#include<stdio.h>

int main()

{

int num ,I,rev\_num,count1,count0;

rev\_num =0;

count1=0;

count0=0;

printf(“Enter the number”);

scanf(“%d”,&num);

while(num >0)

{

i = num%10;

if(i ==0)

count0++;

elseif(i==1)

count1++;

rev\_num= rev\_num\*10+i;

num=num/10;

}

printf(“number of 1:%d\nnumber of 0:%d”coubt1,count0);

return 0;

}

// write a program to find whether the given number is palindrome or not.

#include<stdio.h>

int main()

{

int num, rev\_num, i;

rev\_num =0;

num = num1;

while(num> 0)

{

i =num%10;

rev\_num =rev\_num\*10+i;

num =num/10;

}

if( num1 == rev\_num)

printf(“palindrome”);

else

printf(“not palindrome”);

return 0;

}

// Write to find whether a year is leap year or not.

#include<stdio.h>

int main ()

{

int year;

printf(“enter the year”);

scanf(“%d”,&year);

if((year%400)||((year%4==0)&(year%100==0))

printf(“leap year”);

else

printf(“not year”);

return 0;

}

// write to convert a binary number to a decimal number.

#include<stdio.h>

int main()

{

int num, dec\_num, base,i;

base=1;

dec\_num=0;

while (num >0 )

{

i = num % 10;

dec\_num= dec\_num\*base +i;

base = base\*2;

num = num/10;

}

Printf(“%d”,dec\_num);

return 0;

}

// write a program to print a Fibonacci series.

#include <stdio.h>

int main() {

int num, f,sec,next,i;

f =0;

sec = 1;

printf(“enter the number”);

scanf(“%d”,&num);

for( i = 0; i < num,i++)

{

if ( i <= 1)

next = 1;

else

{

next = sec + f;

f = sec;

sec = next

}

Printf(“%d”next);

}

return 0 ;

}

// write a program to check whether Armstrong number or not.

#include <stdio.h>

int main()

{

int num, num1,cude,

cude = 0;

num = num1;

printf(“enter the number”);

scanf(“%d”,num);

while(num > 0)

{

i = num%10;

cude = cude\*10+ i\*i\*i;

num = num/10;

}

if(cude == num1)

printf(“Armstrong”);

else

printf(“not Armstrong”);

return 0;

}

// write a program array and arrange them in ascending and descending order.

#include<stdio.h>

int main()

{

int arr[10] ={13,65,78,54,21};

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

{

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

{ if(arr[i] > arr[j])

{

temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

}

}

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

{

printf("%d", arr[i]);

}

return 0;

}

// write a program simple calculator using switch case

#include<stdio.h>

int main()

{

int num,num1,opp;

printf(“enter the number”);

scanf(“%d%d%d”,&num,&num1,&opp);

switch(opp)

case 1:

printf(“%d”,num+num1);

case 2:

printf(“%d”,num-num1);

case 3:

printf(“%d”num\*num1);

case 4:

printf(“%d”,num/num1);

return 0;

}

// write a program find second largest number in array.

#include<stdio.h>

int main()

{

int arr[10] = {12,34,54,67,89};

int first,second;

first=second=a[0];

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

{

if(arr[i] > first)

{

second = first;

first = arr[i];

}

else if(arr[i] > second && arr[i] < first)

{

second = arr[i];

}

Printf(“%d”,second);

return 0;

}