#include <stdio.h>

int main()

{

float p,t,r,i,f;

printf("Enter Principal Value P");

scanf("%f\n",p);

if(p<0)

{

printf("ERROR...TRY AGAIN");

scanf("%f\n",&p);

}

while (p>0)

{

printf("Please enter rate of interest r");

scanf("%f\n",&r);

if(r<0)

{

printf("ERROR...TRY AGAIN");

scanf("%f\n",&r);

}

printf("Please enter Time Period t");

scanf("%f\n",&t);

if (t < 0 )

{

printf("ERROR...TRY AGAIN");

scanf("%f\n",&t);

}

i = r/100;

f=p \* pow((1+i),n);

printf("Final Value is %2f\n",f);

printf("Enter Principal Value");

printf("to end the program enter 0");

scanf("%f\n",&p);

if(p < 0)

{

printf("ERROR...TRY AGAIN")

scanf("%f",&p);

}

}

return 0;

}

#include <stdio.h>

int main()

{

int num, rem,sum=0,temp;

printf("Enter Number:\n");

scanf("%d",&num);

temp = num;

while(num > 0)

{

rem = num % 10;

sum = sum +(rem \* rem \* rem);

num /= 10;

}

if (sum == temp)

{

printf("Armstrong Number");

}

else

{

printf("Not an Armstrong Number");

}

return 0;

}

#include <stdio.h>

int main()

{

char s[1000];

int i,n,c=0;

printf("Enter the string : ");

gets(s);

n=strlen(s);

for(i= 0;i < n/2;i++)

{

if(s[i]==s[n-i-1])

c++;

}

if(c==i)

{

printf("string is palindrome");

}

else

{

printf("string is not palindrome");

}

return 0;

#include <stdio.h>

int main()

{

int num,fact=1;

printf("Enter any number\n");

scanf("%d",&num);

while(num > 0)

{

fact = fact \* num;

num--;

}

printf("The Factorial of %d is %d",num,fact);

return 0;

}

#include <stdio.h>

#include<math.h>

int main()

{

int n,x = 0,i;

printf("Enter a limit: \n");

scanf("%d",&n);

printf("Enter the value of x: \n");

scanf("%d",&x);

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

{

x += pow(n,i);

}

printf("Geometric Progression Sum = %d",x);

return 0;

}

#include <stdio.h>

int main() {

int array[10];

int i, largest, second;

scanf("%d",&array[i]);

if(array[0] > array[1]) {

largest = array[0];

second = array[1];

} else {

largest = array[1];

second = array[0];

}

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

if( largest < array[i] ) {

second = largest;

largest = array[i];

} else if( second < array[i] ) {

second = array[i];

}

}

printf("Largest - %d \nSecond - %d \n", largest, second);

return 0;

}

}