1: #include <iostream>

using namespace std;

int main ()

{

int year;

cout << "enter year";

cin >> year;

if (year % 400 == 0)

cout << "leap year";

else if (year % 100 == 0)

cout << "not leap year";

else if (year % 4 == 0)

cout << "year is leap";

else

cout << "not leap year";

return 0;

}

2:

#include<iostream>  
using namespace std;  
int main()  
{  
    cout<<"hello pinki";  
    return 0;  
     
}

3:  
int main()  
{  
    int a,b;  
    cout<<"enter two numbers";  
    cin>>a>>b;  
    cout<<a+b;  
    cout<<endl;  
   cout<< a-b;  
   cout<<"\n";  
   cout<< a/b<<"\n";  
   cout<< a\*b<<endl;  
   cout<< a%b;  
return 0;

}

4  
    int main()  
    {  
        char grade;  
        cout<<"enter the grade";  
         
        cin>>grade;  
        cout<<grade;  
        return 0;  
         
    }  
     
    int main()  
    {  
        int a;  
        float b;  
        char c;  
        long e;  
        long int d;  
    double f;  
        cin>>a>>b>>c>>d>>e>>f;  
        cout<<a<<endl<<b<<"\n"<<c<<endl<<d<<endl<<e<<"\n"<<f;  
         
         
        return 0;  
    }  
     
    int main()  
    {  
        int a,b;  
        cout<<"enter two numbers";  
        cin>>a>>b;  
        int A,B;  
        A=a\*b;  
        B=2\*(a+b);  
        cout<<"area of rectangle"<<A;  
        cout<<endl;  
        cout<<"perimeter of rectangle"<<B;  
        return 0;         
    }  
     
    int main()  
    {  
        int r;  
        cout<<"enter number";  
        cin>>r;  
        int cr,di;  
        cr=3.14\*r\*r;  
        di=2\*(22/7)\*r;  
        cout<<cr<<endl<<di;  
         
        return 0;  
    }  
     
    int main()  
    {  
        int b,h;  
        cout<<"enter numbers";  
        cin>>b>>h;  
        float A;  
        A=(float)1/2\*b\*h;  
        cout<<A;  
        return 0;  
       }  
     
    int main()  
    {  
      int a,b;  
      cout<<"enter numbers";  
      cin>>a>>b;  
      int c;  
      c=180-(a+b);  
      cout<<"3rd anle of triangle"<<c;  
        return 0;  
    }    
     
    int main()  
    {  
       int celsius;  
       cout<<"enter celsius";  
       cin>>celsius;  
       float f;  
       f=(float)(celsius\*9/5)+32;  
       cout<<"fahrenheit="<<f;  
        return 0;  
    }  
     
     
    int main()  
    {  
        int mm;  
        float km;  
        cout<<"enter lenth in milileater";  
        cin>>mm;  
        km=(float)mm/1000;  
        cout<<"lenth conversion in km"<<km;  
        return 0;  
    }

    int main()  
    {  
     int day,weak,year;  
     cout<<"enter days";  
     cin>>day;  
     year=day/365;  
     day=day-365\*year;  
     weak=day/7;  
     day=day-7\*weak;  
     cout<<day<<endl<<weak<<endl<<year;       
        return 0;  
    }

    #include<math.h>  
    int main()  
    {  
        int a,b ,c;  
        cout<<"enter number";  
        cin>>a;  
        cout<<"enter power";  
        cin>>b;  
        c=pow(a,b);  
        cout<<"power of number"<<c;         
        return 0;  
    }

#include<math.h>     
    int main()  
    {  
        int a;  
        float c;  
        cout<<"enter number";  
        cin>>a;  
        c=sqrt(a);  
        cout<<"square root="<<c;  
        return 0;  
    }

    int main()  
    {  
     
        int p,r,t,s;  
        cout<<"enter number";  
        cin>>p>>r>>t;  
        s=(p\*r\*t)/100;  
         
       cout<<"simple interest"<<s;  
         
        return 0;  
    }

    #include<math.h>  
    int main()  
    {  
       int p,r,t, ci;  
       cout<<"enter number";  
       cin>>p>>r>>t>>t;  
       ci=p\*(pow((1+r/100),t));  
       cout<<"coumpound interst"<<ci;  
        return 0;         
    }

#include<iostream>

using namespace std;

int main()

{

  int a;

  cout<<"enter number";

  cin>>a;

  if(a%2==0){

  cout<<"even number";

  }

  else

  {

      cout<<"odd number"

  }

     return 0;

}

int main()

{

    int num1,num2,num3,max ,max1;

    cout<<"enter number";

    cin>>num1>>num2>>num3;

max=(num1>num2? num1:num2);

max1=(max>num3? max:num3);

    cout<<max1;

    return 0;

}

int main()

{

    int num1,num2,num3,max;

    cout<<"enter number";

    cin>>num1>>num2>>num3;

    max=(num1>num2&&num1>num3)? num1:(num2>num3)?num2:num3;

    cout<<"max of three numbers"<<max;

    return 0;

}

int main()

{

    char ch;

    cout<<"enter character";

    cin>>ch;

    if((ch>='a' && ch<='z')||(ch>='A' && ch<='z'))

    cout<<"alphabet number is="<<endl<<ch;

    else

    cout<<"alphabet number is not="<< endl<<ch;

    return 0;

}

#include<iostream>

using namespace std;

int main()

{

int num1,num2,num3;

cout<<"enter number";

cin>>num1>>num2>>num3;

if((num1>num2) && (num1>num3))

{

cout<<num1;

}

else if((num2>num1) && (num2>num3))

{

cout<<num2;SS

}

else

{

cout<<num3;

}

return 0;

}

int main()

{

int num;

cout<<"enter number";

cin>>num;

if(num>0)

{

cout<<"number is positive";

}

else if(num<0)

{

cout<<"number is negative";

}

else

{

cout<<"number is equal to Zero";

}

return 0;

}

int main()

{

int num;

cout<<"enter number";

cin>>num;

if((num % 5==0) && (num % 11==0))

{

cout<<"number is divisual by 5 and 11 ";

}

else

{

cout<<"number is not divisual by 5 and 11";

}

return 0;

}

int main()

{

int num;

cout<<"enter any number";

cin>>num;

if(num % 2 == 0)

{

cout<<"number is even";

}

else{

cout<<"number is odd";

}

return 0;

}

int main()

{

int y;

cout<<"enter year";

cin>>y;

if(y%400==0)

{

cout<<"leap year";

}

else if(y%100==0)

{

cout<<"not leap year";

}

else if(y%4==0)

{

cout<<"leap year";

}

else{

cout<<"not leap year";

}

return 0;

}

int main()

{

char ch;

cout<<"enter any character";

cin>>ch;

if((ch>='a'&& ch<='z')||(ch>='A' && ch<='Z'))

{

cout<<"alphabet character";

}

else{

cout<<"not alphabet character";

}

return 0;

}

int main()

{

char ch;

cout<<"enter any character";

cin>>ch;

if(ch=='a'|| ch=='e'|| ch=='i'|| ch=='o' || ch=='u')

{

cout<<"vewole";

}

else if((ch>='a' && ch<='z') || (ch>='A' && ch<='Z'))

{

cout<<"consonent";

}

else{

cout<<"not alphabet character";

}

return 0;

}

int main()

{

char ch;

cout<<"enter number";

cin>>ch;

if((ch>='a' && ch<='z') || (ch>='A' && ch<= 'Z'))

{

cout<<"alphabet";

}

else if(ch>='0' && ch<='9')

{

cout<<"digit";

}

else{

cout<<"special character";

}

return 0;

}

int main()

{

char ch;

cout<<"enter any character";

cin>>ch;

if(ch>='A' && ch<='Z')

{

cout<<"upper case alpbabet";

}

else if (ch>='a' && ch<='z'){

cout<<"lowere case alphabet";

}

else{

cout<<"not alpbabet";

}

return 0;

}

#include<iostream>

using namespace std;

/\*

int main()

{

int sp,cp,amt;

cout<<"enter selling price and cost price";

cin>>sp>>cp;

if(sp>cp)

{

amt=sp-cp;

cout<<"profit="<<amt;

}

else if(cp>sp)

{

amt=cp-sp;

cout<<"loss="<<amt;

}

else

{

cout<<"no profit and loss";

}

return 0;

}\*/

int main()

{

int month;

cout<<"enter month (1-12):";

cin>>month;

if(month==1)

{

cout<<"31 days";

}

else if(month==2)

{

cout<<"28 days and 29 days";

}

else if(month==3)

{

cout<<"31 days";

}

else if(month==4)

{

cout<<"30 days";

}

else if(month==5)

{

cout<<"31 days";

}

else if(month==6)

{

cout<<"30 days";

}

else if(month==7)

{

cout<<"31 days";

}

else if(month==8)

{

cout<<"30 days";

}

else if(month==9)

{

cout<<"31 days";

}

else if(month==10)

{

cout<<"30 days";

}

else if(month==11)

{

cout<<"31 days";

}

else if(month==12)

{

cout<<"30 days";

}

else

{

cout<<"error";

}

return 0;

}

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#include <iostream>

using namespace std;

int main()

{

int month;

cout<<"enter month (1-12)";

cin>>month;

if(month==1 || month==3 || month==5 || month==7 || month==8 || month==10 || month==12)

{

cout<<"31 days";

}

else if(month==4 || month==6 || month==9 || month==11)

{

cout<<"30 days";

}

else if(month==2)

{

cout<<"29 days or 31 days";

}

else{

cout<<"invalid days";

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int weak;

cout<<"enter weak";

cin>>weak;

switch(weak)

{

case 1:

cout<<"monday";

break;

case 2:

cout<<"tuesday";

break;

case 3:

cout<<"wed";

break;

case 4:

cout<<"thru";

break;

case 5:

cout<<"friday";

break;

case 6:

cout<<"sturday";

break;

case 7:

cout<<"sunday";

break;

default:

cout<<"invalid days";

break;

}

return 0;

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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#include <iostream>

using namespace std;

int main()

{

int month;

cout<<"enter number";

cin>>month;

switch(month)

{

case 1:

cout<<"january";

break;

case 2:

cout<<"feb";

break;

case 3:

cout<<"march";

break;

case 4:

cout<<"april";

break;

case 5:

cout<<"may";

break;

case 6:

cout<<"june";

break;

case 7:

cout<<"july";

case 8:

cout<<"augst";

break;

case 9:

cout<<"sep";

case 10:

cout<<"oct";

case 11:

cout<<"nov";

case 12:

cout<<"decm";

break;

default:

cout<<"invalid month";

break;

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

char ch;

cout<<"enter any character";

cin>>ch;

switch(ch)

{

case'a':

case'e':

case'i':

case'o':

case'u':

cout<<"vowle";

break;

case 'b':

case 'c':

case 'd':

case 'f':

case 'g':

case 'h':

case 'j':

case 'k':

case 'l':

case 'm':

case 'n':

case 'p':

case 'q':

case 'r':

case 's':

case 't':

case 'v':

case 'w':

case 'x':

case 'y':

case 'z':

cout<<"constant";

break;

default:

cout<<"nvalid character";

break;

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int num1,num2;

cout<<"enter number";

cin>>num1>>num2;

switch(num1>num2)

{

case 0:

cout<<"maximum number="<<num1;

break;

case 1:

cout<<"maimumx number="<<num2;

break;

default :

cout<<"invalid number";

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int num1;

cout<<"enter number";

cin>>num1;

switch(num1>0)

{

case 1:

cout<<"number is positive";

break;

}

switch(num1<0)

{

case 1:

cout<<"number is negative";

break;

}

switch(num1==0)

{

case 1:

cout<<"number is equal to zero";

break;

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

char op;

float num1,num2,results;

cout<<"enter first number :- ";

cin>>num1;

cout<<"enter Second number :- ";

cin>>num2;

cout<<"enter operator :- ";

cin>>op;

switch(op)

{

case '+':

results=num1+num2;

cout<<results;

break;

case '-':

results=num1-num2;

cout<<results;

break;

case '\*':

results=num1\*num2;

cout<<results;

break;

case '/':

results=num1/num2;

cout<<results;

break;

case '%':

cout<<results;

break;

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int n ,i;

cout<<"enter any number";

cin>>n;

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

{

cout<<i<<"\n";

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

char ch;

cout<<"enter any character";

cin>>ch;

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

{

cout<<"small character"<<ch<<"\n";

}

else if(ch >=65 && ch <=90)

{

cout<<"capital character"<<ch<<"\n";

}

else

{

cout<<"Enter valid data";

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int i,n;

cout<<"enter number";

cin>>n;

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

{

if(i%2==0)

{

cout<<i<<" even number\n";

}

}

return 0;

}

#include <iostream>

using namespace std;

int main()

{

int n,i,sum=0;

cout<<"enter any number\n";

cin>>n;

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

{

sum=sum+i;

}

cout<<"Sum = "<<sum;

return 0;

}

#include <iostream>

using namespace std;

int main()

{

int n,i,sum=0;

cout<<"enter any number\n";

cin>>n;

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

{

if(i%2!=0)

sum=sum+i;

}

cout<<"Sum = "<<sum;

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int i,n,multi=1;

cout<<"enter number\n";

cin>>n;

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

{

if(i%2!=0)

multi=multi\*i;

}

cout<<"multi="<<multi;

return 0;

}

#include<iostream>

using namespace std;

int main()

{

long long num;

int count=0;

cout<<"enter number";

cin>>num;

do

{

count++;

num=num/10;

}while(num!=0);

cout<<"num="<<count;

return 0;

}

#include <iostream>

using namespace std;

int main()

{

int num,i;

cout<<"enter any number";

cin>>num;

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

{

cout<<num<<'\*'<<i<<'='<<num\*i<<endl;

}

return 0;

}

#include<iostream>

using namespace std;

int main()

{

int num,last;

cout<<"enter number";

cin>>num;

last=num%10;

while(num>10)

{

num=num/10;

}

cout<<"the frist number is="<<num<<endl;

cout<<"the last dist of number is="<<last<<endl;

return 0;

}