1.

#include <iostream>

using namespace std;

int main()

{

int a;

cout<<"Enter the number : ";

cin>>a;

if(a%3==0 || a%5==0)

cout << "Divisible by the 3 or 5 " << endl;

else

cout<<"Not divisible by the 3 or 5 "<<endl;

return 0;

}

2.

#include <iostream>

using namespace std;

int main()

{

int a,b;

cout<<"Enter the two number : "<<endl;

cin>>a>>b;

cout << "Addition is : " <<(a+b)<< endl;

cout << "Subtraction is : " <<(a-b)<< endl;

cout << "Multiplication is : " <<(a\*b)<< endl;

cout << "Division is : " <<(a/b)<< endl;

return 0;

}

3.

#include <iostream>

using namespace std;

int main()

{

int i,x=9;

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

cout<<i<<"\*"<<x<<"="<<i\*x<<endl;

return 0;

}

4.

#include <iostream>

using namespace std;

int main()

{

int x,f=1;

cout<<"Enter the positive number : ";

cin>>x;

for(int i=1;i<=x;i++)

f=f\*i;

cout<<f;

return 0;

}

5.

#include <iostream>

using namespace std;

int main()

{

int a,b,c=0;

cout<<"Enter the positive number : ";

cin>>a;

while(a>0)

{

b=a%10;

c=c\*10+b;

a=a/10;

}

cout<<"Reverse the number : "<<c;

}

6.

#include <iostream>

using namespace std;

int main()

{

int n,i,a[100];

int po=0,ne=0,z=0;

cout<<"Enter the array size : ";

cin>>n;

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

{

cin>>a[i];

}

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

{

if(a[i]>0)

po+=1;

else if(a[i]<0)

ne+=1;

else

z+=1;

}

cout<<"positive : "<<po<<endl;

cout<<"negative : "<<ne<<endl;

cout<<"zero : "<<z<<endl;

}

7.

#include <iostream>

#include<string.h>

using namespace std;

int main()

{

string s="hello world python";

int w=1,n,i;

n=s.length();

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

{

if(s[i]==' ')

w+=1;

}

cout<<"NO.of words : "<<w;

return 0;

}

8.

#include <iostream>

using namespace std;

int main()

{

string s;

int i,v=0,c=0;

cout<<"Enter the string : ";

cin>>s;

for(i=0;i<s.length();i++)

{

if(s[i]=='a' || s[i]=='e' || s[i]=='i' || s[i]=='o' || s[i]=='u')

v+=1;

else

c+=1;

}

cout<<"Vowels : "<<v<<endl;

cout<<"Consonants : "<<c<<endl;

}

9.

#include <iostream>

#include <bits/stdc++.h>

using namespace std;

int main()

{

string s;

cout<<"Enter the string : ";

cin>>s;

string x;

x=s;

reverse(s.begin(),s.end());

if(x==s)

cout<<"The string is palindrome";

else

cout<<"The string is not a palindrome";

return 0;

}

10.

#include <iostream>

using namespace std;

int main()

{

string s;

cout<<"Enter the string : ";

cin>>s;

int i,u=0,l=0;

for(i=0;i<s.length();i++)

{

if(s[i]>='A' && s[i]<='Z')

u+=1;

else

l+=1;

}

cout <<"Upper : "<<u<< endl;

cout <<"lower : "<<l<< endl;

return 0;

}