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| 1 | C++ program to add between two complex number |
|  | #include <iostream>  using namespace std;  class complex  {  public :  int real, img;  };  int main()  {  complex a, b, c;  cout << "Enter first real";  cin >> a.real;  cout << "Enter first imaginary";  cin >> a.img;  cout << "Enter second real";  cin >> b.real;  cout << "Enter second imaginary";  cin >> b.img;  c.real = a.real + b.real;  c.img = a.img + b.img;  cout << c.real<<"."<< c.img ;  } |
| 2 | C++ program to swap between two numbers |
|  | #include <iostream>  using namespace std;  int main()  {  int a = 5, b = 10, temp;  cout << "Before swapping." << endl;  cout << "a = " << a << ", b = " << b << endl;  temp = a;  a = b;  b = temp;  cout << "\nAfter swapping." << endl;  cout << "a = " << a << ", b = " << b << endl;  return 0;  } |
| 3 | Remove all characters except alphabet |
|  | #include <iostream>  using namespace std;  int main()  {  string line;  cout << "Enter a string: ";  getline(cin, line);  for(int i = 0; i < line.size(); ++i)  {  if (!((line[i] >= 'a' && line[i]<='z') || (line[i] >= 'A' && line[i]<='Z')))  {  line[i] = '\0';  }  }  cout << "Output String: " << line;  return 0;  } |
| 4 | This program takes a C-style string from the user and calculates the number of vowels, consonants, digits and white-spaces. |
|  | #include <iostream>  using namespace std;  int main()  {  char line[150];  int vowels, consonants, digits, spaces;  vowels = consonants = digits = spaces = 0;  cout << "Enter a line of string: ";  cin.getline(line, 150);  for(int i = 0; line[i]!='\0'; ++i)  {  if(line[i]=='a' || line[i]=='e' || line[i]=='i' ||  line[i]=='o' || line[i]=='u' || line[i]=='A' ||  line[i]=='E' || line[i]=='I' || line[i]=='O' ||  line[i]=='U')  {  ++vowels;  }  else if((line[i]>='a'&& line[i]<='z') || (line[i]>='A'&& line[i]<='Z'))  {  ++consonants;  }  else if(line[i]>='0' && line[i]<='9')  {  ++digits;  }  else if (line[i]==' ')  {  ++spaces;  }  }  cout << "Vowels: " << vowels << endl;  cout << "Consonants: " << consonants << endl;  cout << "Digits: " << digits << endl;  cout << "White spaces: " << spaces << endl;  return 0;  } |
| 5 | Program takes a string object from the user and calculates the number of vowels, consonants, digits and white-spaces. |
|  | #include <iostream>  using namespace std;  int main()  {  string line;  int vowels, consonants, digits, spaces;  vowels = consonants = digits = spaces = 0;  cout << "Enter a line of string: ";  getline(cin, line);  for(int i = 0; i < line.length(); ++i)  {  if(line[i]=='a' || line[i]=='e' || line[i]=='i' ||  line[i]=='o' || line[i]=='u' || line[i]=='A' ||  line[i]=='E' || line[i]=='I' || line[i]=='O' ||  line[i]=='U')  {  ++vowels;  }  else if((line[i]>='a'&& line[i]<='z') || (line[i]>='A'&& line[i]<='Z'))  {  ++consonants;  }  else if(line[i]>='0' && line[i]<='9')  {  ++digits;  }  else if (line[i]==' ')  {  ++spaces;  }  }  cout << "Vowels: " << vowels << endl;  cout << "Consonants: " << consonants << endl;  cout << "Digits: " << digits << endl;  cout << "White spaces: " << spaces << endl;  return 0;  } |