#include<iostream>

using namespace std;

#include<string>

void main()

{

string b="FA14-BSSE-007";

cout<<"\nDirect keyword string used=="<<b; //#include<string>

cout<<"\n\n";

char str1[]="string as array";

//char str="string as array"; give error because there is no use of \* or [] any one of these

cout<<"\n\n";

cout<<"string as array=="<<str1;

char\* str="string as pointer";

cout<<"\n\n";

int len=strlen(str);

cout<<"\nlength is=="<<len; //length calculated

char\* ptr;

ptr=new char[len+1];

cout<<"\n\n";

cout<<"\nnew char datatype"<<ptr;

strcpy(ptr,str);

cout<<"\n\n";

cout<<"\nAfter strcpy the ptr is\t=="<<ptr;

cout<<"\n\n";

delete[] ptr;

cout<<"\nAfter deleting the ptr is\t=="<<ptr;

getchar();

getchar();

}