Sheet#3

1. #include<iostream>

#include<cstring>

using namespace std;

int main(){

char str1[1000] , str2[1000] ;

cout<<"Enter the first text: ";

gets(str1);

cout<<"Enter the second text: ";

gets(str2);

cout<<strcat(str1 , str2);

}

1. #include<iostream>

#include<cstring>

using namespace std;

int main(){

char arr[10];

int c=0;

cout<<"Enter a set of 10 characters: \n";

for(int i=0 ; i<10 ; i++){

cin>>arr[i];

}

for(int i=0 ; i<10 ; i++){

if(arr[i]=='z'){cout<<"\nCharacter 'z' lies in the order number "<<i+1<<" .\n";break;}

else{c++;}

}

if(c==10){cout<<"\nCharacter 'z' doesn't exist.\n";}

}

1. #include<iostream>

using namespace std;

int fn(char str1[] , int size1 , char x){

int c=0;

for(int i=0 ; i<size1 ; i++){

if(str1[i]==x){c++;}

}

return c;

}

int main(){

char str1[1000] , x ;

cout<<"Enter the text: ";

gets(str1);

cout<<"Enter the character: ";

cin>>x;

cout<<"\nThe character '"<<x<<"' has appeared "<<fn(str1 , strlen(str1) , x)<<" times in the text.\n";

}

1. #include<iostream>

#include<cstring>

using namespace std;

int fn(char str1[],int size1 ,char str2[]){

int counter=0,a=0;

while(str1[a]!='\0'){

a++;

}

for(int i=0 ; i<a ;i++){

for(int j=0 ; j<size1 ;j++){

if(str1[i]==str2[j]){counter++;break;}

}

if(counter==a){break;}

}

if(counter==a){return 1;}

else {return 0;}

}

int main(){

char str1[1000],str2[1000];

cout<<"Enter the first text : ";

gets(str1);

cout<<"Enter the second text : ";

gets(str2);

if(strlen(str1)>strlen(str2)){cout<<"0";}

else cout<<fn(str1,strlen(str2),str2);

}

1. #include <iostream>

#include<cstring>

using namespace std;

void reverseSentence() {

char c;

scanf("%c", &c);

if (c != '\n') {

reverseSentence();

printf("%c", c);

}

}

int main() {

printf("Enter a sentence: ");

reverseSentence();

return 0;

}

1. #include <iostream>

#include<cstring>

using namespace std;

void replace(char str[] , int size1 ,int \*c){

\*c=0;

for(int i=0 ; i<size1 ; i++){

if(str[i]==' '){str[i]='-';\*c+=1;}

}

cout<<"\n"<<str<<"\n";

}

int main() {

char str[1000];

int i=0 , c=0;

cout<<"Enter the text : ";

gets(str);

while(str[i]!='\0'){i++;}

replace(str , i , &c);

cout<<"\n"<<"Number of spaces replaced : "<<c<<"\n";

}

1. A- 0 2 1

B- -1, 0, 6, 7, 8, 9

1. #include <iostream>

#include<cstring>

using namespace std;

int size;

struct date{int day,month,year;};

struct employement{int id\_no; int salary; int tasks[5] ; struct date birth;};

void inputemployee();

void search\_returnSalary();

int main(){

struct employement employees[size];

cout<<"Enter the number of employees: ";

cin>>size;

search\_returnSalary(employees,size);

}

void inputemployee(struct employement e[],int size\_e){

for(int i=0 ;i<size\_e;i++){

cout<<"Enter ID number for employee #"<<i+1<<": ";

cin>>e[i].id\_no;

cout<<"Enter salary for employee #"<<i+1<<": ";

cin>e[i].salary);

cout<<"Enter birthday(dd mm yy) for employee #"<<i+1<<": ";

cin>>e[i].birth.day>>e[i].birth.month>>e[i].birth.year;

for(int j=0; j<5 ; j++){

cout<<"Enter task #"<<j+1<<": ";

cin>>e[i].tasks[j];

}

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

}

}

void search\_returnSalary(struct employement e[],int size\_e){

inputemployee(e,size);

int id;

cout<<"Enter the ID number to search it: ");

cin>>id;

for(int i=0 ;i<size\_e;i++){

if(id==e[i].id\_no)

cout<<"The salary of emloyee's"<<id<<" : "<<e[i].salary);

}

}

1. The size of x: 16-byte