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* Write a program to compare two strings using strcmp.

ANSWER:

#include<stdio.h>

#include<string.h>

char mycmp(char aray1[20],char aray2[20])

{

int ans=0;

int i;

for(i=0;aray1[i]!='\0';i++)

{

ans+=(aray1[i]-aray2[i]);

if(ans!=0)

{

break;

}

}

return ans;

}

int main()

{

char name1[20];

char name2[20];

printf("Enter string 1\n");

gets(name1);

printf("Enter string 2\n");

gets(name2);

if(mycmp(name1,name2)==0)

{

printf("Enter string are same\n");

}

else if(mycmp(name1,name2)>=1)

{

printf("String 1 is greater then String 2\n");

}

else if(mycmp(name1,name2)<=-1)

{

printf("String 2 is greater then String 1\n");

}

return 0;

}



* Write a program to copy a string.

ANSWER:

#include<stdio.h>

#include<string.h>

char mycopy(char array2[20],char array1[20] )

{

int i;

for(i=0;array1[i]!='\0';i++)

{

array2[i]=array1[i];

}

}

int main()

{

char name1[20];

char name2[20];

printf("Enter string 1\n");

gets(name1);

mycopy(name2,name1);

printf("String 2 is %s",name2);

return 0;

}



* Write a program that concatinate a string.

ANSWER:

#include<stdio.h>

#include<string.h>

int main()

{

char name1[20];

printf("Enter string 1\n");

gets(name1);

char name2[20];

printf("Enter string 2\n");

gets(name2);

strcat(name1,name2);

printf("Concatination of these two string is %s",name1);

return 0;

}



* Write a program that prints string in reverse form.

ANSWER:

#include<stdio.h>

#include<string.h>

int main()

{

char name1[20];

printf("Enter a string\n");

gets(name1);

strrev(name1);

printf("The reverse string is %s",name1);

return 0;

}



* Write a Program number that reads a string and print upper case and number of lower case letters.

ANSWER:

#include<stdio.h>

#include<string.h>

int main()

{

int i,j,checkcap=0,checklow=0;

char name1[20];

printf("Enter a string\n");

gets(name1);

for(i=0;i<strlen(name1);i++)

{

for(j='A';j<='Z';j++)

{

if(name1[i]==j)

{

checkcap++;

}

}

}

printf("Number of capital leters in the string is %d\n",checkcap);

for(i=0;i<strlen(name1);i++)

{

for(j='a';j<='z';j++)

{

if(name1[i]==j)

{

checklow++;

}

}

}

printf("Number of small leters in the string is %d\n",checklow);

return 0;

}



* Write a program that updates the record of a user and a book when the user borrows the book from our small library. You have to make a void update function and call it in the main class.
* Write a program that implements the concept of nested structure.

ANSWER:

#include<stdio.h>

struct book

{

char title[20];

float price;

int page;

};

struct user

{

char name[20];

struct book b1;

};

void display(struct user s)

{

printf("Student name : %s\n",s.name);

printf("Book name : %s\n",s.b1.title);

printf("Book price : %.2f\n",s.b1.price);

printf("No of page of book : %d\n",s.b1.page);

}

int main()

{

struct user s1;

printf("Enter Name of student\n");

gets(s1.name);

printf("Enter Book name they want to borrow \n");

gets(s1.b1.title);

printf("Enter BOOK price\n");

scanf("%f",&s1.b1.price);

printf("Enter Number of page of book\n");

scanf("%d",&s1.b1.page);

display(s1);

return 0;

}



* Write a program that demonstrates the passing of individual structure member to the function.

ANSWER:

#include<stdio.h>

struct book

{

char title[20];

float price;

int page;

};

struct user

{

char name[20];

struct book b1;

};

void display(char \*name,char \*title,float price,int page)

{

printf("Student name : %s\n",name);

printf("Book name : %s\n",title);

printf("Book price : %.2f\n",price);

printf("No of page of book : %d\n",page);

}

int main()

{

struct user s1;

printf("Enter Name of student , Book name they borrow \nThere price and Number of page of book\n");

gets(s1.name);

gets(s1.b1.title);

scanf("%f",&s1.b1.price);

scanf("%d",&s1.b1.page);

display(s1.name,s1.b1.title,s1.b1.price,s1.b1.page);

return 0;

}

