1. Write a C program to input three numbers from user and find maximum between three numbers using conditional/ternary operator ?:. How to find maximum between three numbers using conditional operator.

PROGRAM:

# include <stdio.h>

void main()

{

int a, b, c, big ;

printf("Enter three numbers : ") ;

scanf("%d %d %d", &a, &b, &c) ;

big = a > b ? (a > c ? a : c) : (b > c ? b : c) ;

printf("\nThe biggest number is : %d", big) ;

}

1. Write a C program to input a character and check whether the character is alphabet or not using Conditional/Ternary operator ?:. How to check alphabets using conditional operator in C programming.

PROGRAM:

include <stdio.h>

int main()

{

char ch;

/\*

\* Input character from user

\*/

printf("Enter any character: ");

scanf("%c", &ch);

/\*

\* If (ch>'a' and ch<'z') or (ch>'A' and ch<'Z') then

\* print alphabet

\* else

\* print not alphabet

\*/

(ch>='a' && ch<='z') || (ch>='A' && ch<='Z')

? printf("It is ALPHABET")

: printf("It is NOT ALPHABET");

return 0;

}

1. Write a C program to find sum of all odd numbers from 1 to n using for loop. How to find sum of all odd numbers in a given range in C programming. Logic to find sum of odd numbers in a given range using loop in C programming.

PROGRAM:

#include<stdio.h>

int main()

{

int i, number, Sum = 0;

printf("\n Please Enter the Maximum Limit Value : ");

scanf("%d", &number);

printf("\n Odd Numbers between 0 and %d are : ", number);

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

{

if ( i%2 != 0 )

{

printf("%d ", i);

Sum = Sum + i;

}

}

printf("\n \n The Sum of Odd Numbers from 1 to %d = %d", number, Sum);

return 0;

}

1. Write a C program to find maximum occurring character in a string using loop. How to find highest frequency character in a string using loop in C programming. Program to find the highest occurring character in a string in C. Logic to find maximum occurring character in a string in C programming.

PROGRAM:

#include <stdio.h>

#include <string.h>

int main()

{

char str[100], result;

int i, len;

int max = -1;

int freq[256] = {0};

printf("\n Please Enter any String : ");

gets(str);

len = strlen(str);

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

{

freq[str[i]]++;

}

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

{

if(max < freq[str[i]])

{

max = freq[str[i]];

result = str[i];

}

}

printf("\n The Maximum Occurring Character in a Given String = %c ", result);

return 0;

}

1. **Find Error/Output in follwing code:**

#include <stdio.h>

int tmp=20;

main( ) {

    printf("%d ",tmp);

    func( );

    printf("%d ",tmp);

}

func() {

    static int tmp=10;

    printf("%d ",tmp);

}

OUTPUT:

20 10 20

1. **Find Error/Output in follwing code:**

main() {

    int a = 10;

    if ((fork ( ) == 0))

    a++;

    printf ("%dn", a );

}

OUTPUT:

10

1. **What is the code in a while loop that returns the output of the given code?**

#include <stdio.h>

intmain () {

inta;

/\* for loop execution \*/

for( a = 1; a <= 100; a++ )

{

printf("%d\n",a \* a);

}

return0;

}

OUTPUT:

1

4

9

16

25

36

49

64

81

100

121

144

169

196

225

256

289

324

361

400

441

484

529

576

625

676

729

784

841

1. What will be the output of the program if the array begins 1200 in memory?

#include<stdio.h>

int main()

{

int arr[]={2, 3, 4, 1, 6};

  printf("%u, %u, %un", arr, &arr[0], &arr);

  return 0;

}

OUTPUT:

521416208, 521416208, 521416208n

1. What will be the output of the program ?

#include<stdio.h>

void fun(int \*\*p);

int main()

{

int a[3][4] = {1, 2, 3, 4, 4, 3, 2, 8, 7, 8, 9, 0};

  int \*ptr;

  ptr = &a[0][0];

  fun(&ptr);

  return 0;

}

void fun(int \*\*p)

{

    printf("%dn", \*\*p);

}

OUTPUT:

1n

1. Write a program that would sort a list of names in alphabetical order Ascending or Descending, choice get from the user?

Sample Input:

Banana

Carrot

Radish

Apple

Jack

Order(A/D) : A

Sample Output:

Apple

Banana

Carrot

Jack

Radish

PROGRAM:

#include<stdio.h>

#include<string.h>

main(){

int i,j,n;

char str[100][100],s[100];

printf("Enter number of names :

");

scanf("%d",&n);

printf("Enter names in any order:

");

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

scanf("%s",str[i]);

}

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

for(j=i+1;j<n;j++){

if(strcmp(str[i],str[j])>0){

strcpy(s,str[i]);

strcpy(str[i],str[j]);

strcpy(str[j],s);

}

}

}

printf("

The sorted order of names are:

");

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

printf("%s

",str[i]);

}

}