**C-Lab-Day-9**

Que 1 :

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Write a C program to read name and age of person and by age check the person is eligible for vote or not using simple (if) only.

Sample input : Enter your name: Kishor

Enter your age: 20

Sample output : Hi kishor you are eligible to vote.

Sample input : Enter your age: 16

Sample output : Sorry Kishor you are not eligible to vote.

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char name[10];

int age;

printf("Enter your name:");

scanf("%s",&name);

printf("Enter your age:");

scanf("%d",&age);

if(age>=18)

{

printf("Hi %s you are eligible to vote.\n",name);

return 0;

}

printf("Sorry %s you are not eligible to vote.",name);

return 0;

}

==========================================================================================================

Que 2 :

=======

Write a C program to read name and age of person and by age check the person is eligible for vote or not using if-else.

Sample input : Enter your name: Kishor

Enter your age: 20

Sample output : Hi kishor you are eligible to vote.

Sample input : Enter your name: Kishor

Enter your age: 16

Sample output : Sorry Kishor you are not eligible to vote.

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char name[10];

int age;

printf("Enter your name:");

scanf("%s",&name);

printf("Enter your age:");

scanf("%d",&age);

if(age>=18)

{

printf("Hi %s you are eligible to vote.\n",name);

}

else {

printf("Sorry %s you are not eligible to vote.",name);

}

return 0;

}

==========================================================================================================

Que 3 :

=======

Write a C program to find maximum between two numbers using simple (if) only.

Sample input : int a = 100, b = 200

Sample output : 200

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

int a,b;

printf("int a=");

scanf("%d",&a);

printf(",b=");

scanf("%d",&b);

if(a>b)

{

printf("%d",a);

return 0;

}

printf("%d",b);

return 0;

}

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Que 4 :

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Write a C program to find maximum between two numbers using if-else.

Sample input : int a = 100, b = 200

Sample output : 200

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

int a,b;

printf("int a=");

scanf("%d",&a);

printf("b=");

scanf("%d",&b);

if(a>b)

{

printf("%d",a);

}

else

{

printf("%d",b);

}

return 0;

}

==========================================================================================================

Que 5 :

=======

Write a C program to read one character from user and convert it into upercase if given character is in lowercase otherwise convert itno lowercase using simple (if) only.

Sample input : char ch = 'A';

Sample output : a

Sample input : char ch = 'b';

Sample output : B

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

#include<ctype.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch>='a'&& ch<='z')

{

printf("%c",toupper(ch));

}

if(ch>='A'&& ch<='Z')

{

printf("%c",tolower(ch));

}

return 0;

}

==========================================================================================================

Que 6 :

=======

Write a C program to read one character from user and convert it into upercase if given character is in lowercase otherwise convert itno lowercase using if-else only.

Sample input : char ch = 'A';

Sample output : a

Sample input : char ch = 'b';

Sample output : B

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

#include<ctype.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch==toupper(ch))

{

printf("%c",tolower(ch));

return 0;

}

else

{

printf("%c",toupper(ch));

}

return 0;

}

OR

// Online C compiler to run C program online

#include <stdio.h>

#include<ctype.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch>='a'&& ch<='z')

{

printf("%c",toupper(ch));

return 0;

}

printf("%c",tolower(ch));

return 0;

}

==========================================================================================================

Que 7 :

=======

Write a C program to input any alphabet and check whether it is vowel or consonant using simple(if) only.

Sample input : char ch = 'A';

Sample output : Vowel

Sample input : char ch = 'b';

Sample output : Consonant

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U')

{

printf("Vowel",ch);

return 0;

}

if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')

{

printf("Vowel",ch);

return 0;

}

printf("Consonant",ch);

return 0;

}

==========================================================================================================

Que 8 :

=======

Write a C program to input any alphabet and check whether it is vowel or consonant using if-else.

Sample input : char ch = 'A';

Sample output : Vowel

Sample input : char ch = 'b';

Sample output : Consonant

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U')

{

printf("Vowel",ch);

return 0;

}

if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')

{

printf("Vowel",ch);

return 0;

}

else

{

printf("Consonant",ch);

}

return 0;

}

==========================================================================================================

Que 9 :

=======

Write a C program to check whether a character is uppercase or lowercase alphabet using simple(if) only.

Sample input : char ch = 'A';

Sample output : UpperCase

Sample input : char ch = 'b';

Sample output : LoweCase

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch>='A' && ch<='Z')

{

printf("Uppercase",ch);

return 0;

}

printf("Lowercase",ch);

return 0;

}

==========================================================================================================

Que 10 :

=======

Write a C program to check whether a character is uppercase or lowercase alphabet using if-else.

Sample input : char ch = 'A';

Sample output : UpperCase

Sample input : char ch = 'b';

Sample output : LoweCase

Sol:

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// Online C compiler to run C program online

#include <stdio.h>

int main() {

char ch;

printf("char ch=");

scanf("%c",&ch);

if(ch>='A' && ch<='Z')

{

printf("Uppercase",ch);

return 0;

}

else

{

printf("Lowercase",ch);

}

return 0;

}