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**If – else Statement**

Ques.1 Write a C program to find maximum number between 2 numbers

Sol.

#include <stdio.h>

int main()

{

int a,b;

printf("Enter two numbers\n");

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

if(a>b)

printf("maximum is %d",a);

else

printf("maximum is %d",b);

return 0;

}

Ques.2 Write a C program to find maximum number between three numbers.

Sol.

#include <stdio.h>

int main()

{

int a,b,c;

printf("Enter three numbers\n");

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

if(a>b&&a>c)

printf("maximum is %d",a);

else if(b>a&&b>c)

printf("maximum is %d",b);

else

printf("maximum is %d",c);

return 0;

}

Ques.3 Write a C program to check whether a number is negative, positive or zero.

Sol.

#include <stdio.h>

int main()

{

int a;

printf("Enter a number\n");

scanf("%d",&a);

if(a>0)

printf("number is positive");

else if(a<0)

printf("number is negative");

else

printf("number is zero");

return 0;

}

Ques.4 Write a C program to check whether a number is divisible by 5 and 11 or not.

Sol.

#include <stdio.h>

int main()

{

int a;

printf("Enter a number\n");

scanf("%d",&a);

if(a%5==0 && a%11==0)

printf("%d is divisible",a);

else

printf("%d is not divisible",a);

return 0;

}

Ques.5 Write a C program to check whether a number is even or odd .

Sol.

#include <stdio.h>

int main()

{

int a;

printf("Enter a number\n");

scanf("%d",&a);

if(a%2==0)

printf("%d is even",a);

else

printf("%d is odd",a);

return 0;

}

Ques.6 Write a C program to check whether a year is a leap year or not.

Sol.

#include <stdio.h>

int main()

{

int a;

printf("Enter a number\n");

scanf("%d",&a);

if(a%4==0)

printf("%d is a leap year",a);

else

printf("%d is not a leap year",a);

return 0;

}

Ques.7 Write a C program to check whether a character is alphabet or not.

Sol.

#include <stdio.h>

#include <ctype.h>

int main()

{

char a;

printf("Enter a character\n");

scanf("%c",&a);

if(isalpha(a))

printf("%c is a character",a);

else

printf("%c is not a character",a);

return 0;

}

Ques.8 Write a C program to input any alphabet and check whether it is vowel or consonant.

Sol.

#include <ctype.h>

int main()

{

char a;

printf("Enter a character\n");

scanf("%c",&a);

if(isalpha(a)){

if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u' || a=='A' || a=='E' || a=='I' || a=='O' || a=='U' )

printf("%c is a vowel",a);

else

printf("%c is a consonant",a);

}

else{

printf("Enter a character!!");

}

return 0;

}

Ques.9 Write a C program to input any character and check whether it is alphabet, digit or special character .

Sol.

#include <stdio.h>

int main()

{

char a;

printf("Enter a character\n");

scanf("%c",&a);

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

{

printf("'%c' is alphabet.", a);

}

else if(a >= '0' && a <= '9')

{

printf("'%c' is digit.", a);

}

else

{

printf("'%c' is special character.", a);

}

return 0;

}