

More On Decision Control

Day-8

By
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Write a program to check whether a given number is divisible by 5 or not.

```
int main()
{
    int x;
    printf("Enter a number");
    scanf("%d", &x);
    if (x % 5)
        printf("Not Divisible by 5");
    else
        printf("Divisible by 5");
    getch();
```

$x \div 5 \rightarrow 0$

$x \% 5 \rightarrow 1, 2, 3,$

$\frac{4}{}$

$x = 25$

divisible by 5

$x = 13$

not divisible by 5

Every non zero \rightarrow True

zero \rightarrow False

Write a program to check whether a given number is even or odd.

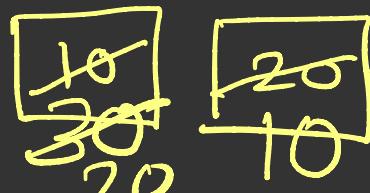
main()
{

```
int x;  
printf("Enter a number");  
scanf("%d",&x);  
if(x%2)  
    printf("Odd");  
else  
    printf("Even");  
getch();
```

}

Write a program to swap values of two int variables without using third variable.

a b



$$a = a + b ;$$

$$b = a - b ;$$

$$a = a - b ;$$

How to find last digit of a given number?

$$x \% 10$$

$$\begin{array}{r} x=25\cancel{3} \\ \underline{3} \end{array}$$

How to remove last digit from a given number?

$$x \% 10 \rightarrow 3$$

$$x = 253$$

$$x / 10 \rightarrow 25$$

$$25$$

$$x = x / 10 ;$$

or

$$x /= 10 ;$$

Nested if / Nested if-else

```
if (condition)  
{
```

```
    if (condition)  
    {
```

```
        ==
```

```
}
```

```
}
```

```
if (condition)
```

```
{  
    if (condition)
```

```
{  
    ==
```

```
    }  
    else
```

```
{  
    ==
```

```
}
```

```
if (condition)  
{
```

```
    if (condition)
```

```
    else
```

```
}  
else
```

```
{
```

```
    if (condition)
```

```
    else
```

```
{
```



if else ladder

if (condition)

else if (condition) → ①

else if (condition) → ②

else → ③

else → ④

- ① Assignments
- ② Notes
- ③ Quiz (Prizes)

Enroll
Link → description

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→ IOT → projects → Interview → resume.

Hackathon 3.0

25 Jun

10 am

to

26 Jun

10 am

24 hrs

AI/ML → Python

40
MuSigma → 100 hire

iNeuron → 20 hire

Sat-Sun
Mon

<https://hackathon.ineuron.ai/Musigma>