

Assignment - 2

I Write a Program to Unit digit of a given Number

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    printf("Enter a Number");
```

```
    scanf("%d", &x);
```

```
    x = x % 10;
```

```
    printf("Unit digit is %d", x);
```

```
    return 0;
```

```
}
```

Output

Enter a Number 123

→ 3

II Write a program to print a given Number with last digit.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x;
```

```
    printf("Enter a Number");
```

```
    scanf("%d", &x);
```

```
    x = x / 10;
```

```
    printf("Number is %d", x);
```

```
    return 0;
```

```
}
```

because of int it never print.
point ke bad
ka value

Output

Enter a Number

123

→ 12

5) Write Program to Swap Values of two int Variable

```
#include <stdio.h>
```

```
int main();
```

```
{
```

```
    int a, b, z;
```

```
    printf("Enter first Number") &a;
```

```
    scanf("%d", &a)
```

```
    printf("Enter Second Number"),
```

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

```
    z = b;
```

```
    b = a;
```

```
    a = z;
```

```
    printf("Number is %d %d", a, b);
```

```
    return 0;
```

```
}
```

Output

Enter first Number - 1

" " Second - 3

1 3

3 1

6) Write a program to Swap Values of two int Variable without using third Variable.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int x, y;
```

```
    x = x * y;
```

```
    x = x / y;
```

```
    y = x / y;
```

```
    x = x / y;
```

```
    printf("%d %d", x, y);
```

```
    return 0;
```

```
}
```

X 35 35

X

- ⑤ Write program to input a three digit Number and display the sum of the digits.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
int x, y, z, t;
```

```
printf("Enter a Number");
```

```
scanf("%d", &t);
```

```
x = t/10;
```

```
t = t/10;
```

```
y = t/10;
```

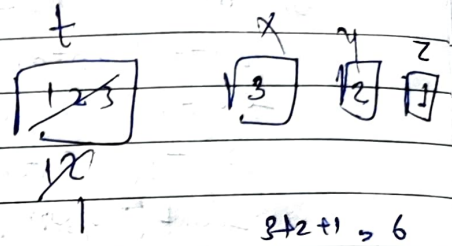
```
t = t/10;
```

```
z = t/10;
```

```
printf("Sum of digit is ", x+y+z);
```

```
return 0;
```

```
}
```



- ⑥ Write a program which takes a character as an input and display its ASCII code.

```
#include <stdio.h>
```

```
int main
```

```
{
```

```
char c;
```

```
printf("Enter a character");
```

```
scanf("%c", &c);
```

```
printf("ASCII code is %d", c);
```

```
return 0;
```

```
}
```

7 Write a program which takes to find the position of first '1' in LSB.

8 Write a program to check whether the given Number is even or odd using a bitwise operator.

```
#include <stdio.h>
```

```
int main()
```

```
{
    int n;
```

```
    printf("Enter a Number");
```

```
    scanf("%d", &n);
```

```
if ((n & 1) == 0)
```

```
    printf("Even Number");
```

```
else
```

```
    printf("odd Number");
```

```
return 0;
```

```
}
```


- 9 Write a program to print size of an int, a float, a char, and a double type variable.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
printf("%d\n", sizeof(int));
```

```
printf("%d\n", sizeof(char));
```

```
printf("%d\n", sizeof(float));
```

```
printf("%d\n", sizeof(double));
```

```
return 0;
```

```
}
```

- 10 Write a program to make the last digit of a number stored in a variable as zero

Example $X=2345 \rightarrow X=2340$

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
int x, y=0;
```

```
printf("Enter a Number");
```

```
scanf("%d", &x);
```

$$Y = X / 10;$$

```
printf(" %d %d ", X, Y);
```

```
return 0;
```

```
}
```

- ⑪ Write a program to make to input a Number from user and also input digit. Append a digit in the Number and print the resulting Number (Example - Number = 234 and digit 9
Resulting Number is 2349)

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
int X, Y;
```

```
printf("Enter a first Number");
```

```
scanf("%d", &X);
```

```
printf("Enter second Number");
```

```
scanf("%d", &Y);
```

```
printf(" %d %d ", X, Y);
```

```
return 0;
```

```
}
```

- ⑫ Assume price of USD is INR 76.23 Write a program to make amount in INR and convert to USD

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
float X; float X;
```

```
printf("Enter a Rupees");
```

```
scanf("%f", &X);
```

$$X = X * 76.23;$$

```
printf("Rupees = %d USD", X);
```

```
return 0;
```

Signature.....

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13) Write a program to take a three digit Number from the user and rotate its digits by one position towards the right.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
int n, r, s = 0;
```

```
printf("Enter a three digit Number");
```

```
scanf("%d", &n);
```

```
while (n > 0)
```

```
{
```

```
    r = n % 10;
```

```
    s = s * 10 + r
```

```
    n = n / 10;
```

```
}
```

```
printf("Reverse is %d", s);
```

```
return 0;
```

```
}
```