Operators in C language

Q1 WAP to print Unit digit of a given Number.

```c
#include <stdio.h>
int main()
{
    int a;
    printf(" enter a Number");
    scanf("%d", &a);
    int digit = a % 10;
    printf("%d", digit);
    return 0;
}
```

Q2 WAP to print a given Number without its last digit.

```c
#include <stdio.h>
int main()
{
    int a;
    printf("Enter a Number");
    scanf("%d", &a);
    int digit = a / 10;
    printf("%d", last digit);
    return 0;
}
```

Q3 WAP to swap Values of two int Variab

```c
#include < stdio.h >
int main ()
{       int a,b = 0;
        printf (" Enter two Values \n ");
        scanf (" %d %d ", &a , &b );

        int c = a + b;
        int a = (a+b) - a ;
           b = (a +b) - b ;
        printf (" Value after swapping ");
        printf (" %d %d ", a, b );
        return 0;
}
```

Q4   WAP to swap Values of two int Variables
        without using a third Variable.

```c
#include < stdio. h>
int main ()
{    int a, b = 0;
     printf (" Enter two Values ");
        scanf (" %d %d ", &a , &b );
```

a = 2
b = 3

C2
&
C = a;
C = 2;
a = 3;
b = 2;

```
a = a \10;
}
}
```

Qs WAP to input a three digit No and display the sum of the digits

```c
#include < stdio.h>
int main ()
{   int a ;
printf ("Enter a No ");
scanf ("%d", &a);
```

```c
if (a > 0 && a <= 3)
{
    digit = a % 10;
    sum = sum + digit;
    a = a / 10;
}
```

~~Sum = Sum +~~

```c
printf(" %d ", Sum of the
        digits         a . );
```
Sum of the digits

```c
    return 0;

}
```

Q6 WAP which takes a character as input and display its ASCII code.

```c
#include <stdio.h>
int main()
{       char ch;
        printf("Enter the character");
        scanf(" %c ", ch);
        printf(" %d ", ch);
        printf(" character with its ASCII
                code %d", ch);
        return 0;
}
```

Q7 WAP to find the position of first 1 in
LSB.

```c
# include <stdio.h>
int main()
{   int a=0, b = 0;
    printf ("Enter the Number");
    scanf ("%d", &a);
    & int numb = a << 1;
    printf ("%d", numb);
    return 0;
}
```

Q8 WAP to print size of an int, a float, a char, and a double type variable?

```c
#include <stdio.h>
int main()
{
    int a, float b, char ch, double d;
    printf("End Displaying the size of following Variables");
    printf(" %d %d %d %d ", sizeof(a), sizeof(b), sizeof(ch), sizeof(d));
```

return 0;
}

Q10 WAP to Make the last digit of a Number st
_ored in a Variable as zero

$x = 2345$ then Make it $x = 2340$

```
#include <stdio.h>
int main()
{   int a;
    printf(" Enter a Number");
    scanf("%d", &a);
int  b=a%10;
    a = a - b;
    printf("%d", a);
    return 0;
}
```

Q11 WAP to input a Number from the user and
also input a digit. Append a digit in the
Number and print the resulting Number.

```
#include <stdio.h>
int main()
{   int a; int digit;
```

```c
printf ("Enter the Number");
scanf ("%d", &a);
   a = a * 10;
   printf (" Enter the digit ");
   scanf ("%d", &digit);
   a = a + digit;
   printf ("%d", a);
   return 0;
}
```

printf ("Amount in USD %.d

Q2 WAP to take the amount in INR and convert it into USD.

```c
#include <stdio.h>
int main()
{
    int a double d;
    printf ("Enter the Amount");
    scanf ("%.d", &d);
    d = d* 76.23/ d;

    printf
    d = d / 76.23;
    printf ("%.lf", d);
    return 0;
}
```

Q13   WAP to take a three-digit Number from the User and rotate its digits by one position towards the right.

```c
#include <stdio.h>
int main()
{
    int a = 0, result = 0;
    printf("Enter a Number:");
    scanf("%d", &a);
    result = a >> 1;
    printf("%d", result);
    return 0;
}
```