OPERATORS IN C" LANGUAGE

ASSIGNMENT 2

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IAMANKIT378@GMAIL.COM

Q. Wap to print unit digit of a given number.

```c
#include<stdio.h>
int main()
{
    int num,unit_digit;
    printf("Enter a number:");
    scanf("%d",&num);
    unit_digit=num%10;
    printf("the unit digit is: %d",unit_digit);
    return 0;

}
```

Q. wap to print a given number without its last digit.

```c
#include<stdio.h>
int main()
{
    int x,last_digit;
    printf("enter a number:");
    scanf("%d",&x);
    last_digit=x/10;
```

```
        printf(" no.without last digit is:%d",last_digit);

        return 0;


}
```

Q. wap to swap values of two int variables.

```
#include<stdio.h>
 int main()
 {
        int x,y,temp;
        printf("enter value of x:");
        scanf("%d",&x);
        printf("enter value of y:");
        scanf("%d",&y);

        temp=x;
        x=y;
        y=temp;
        printf("\nafter swapping x=%d,y=%d",x,y);

        return 0;
```

```
}
```

Q. wap to swap values of two int variables without using a third variable.

```c
#include<stdio.h>
 int main()
{
     int x,y,temp;
     printf("enter value of x:");
     scanf("%d",&x);
     printf("enter value of y:");
     scanf("%d",&y);

     temp=x;
     x=y;
     y=temp;
     printf("\nafter swapping x=%d,y=%d",x,y);

     return 0;
}
```

Q. wap which takes a character as an input and displays its ASCII code.

```c
#include<stdio.h>
int main()
{
    char ch;
    printf("Enter a character:");
    scanf("%c",&ch);

    printf("ascii value of the character is %d",ch);
    return 0;
}
```

Q.wap to input a three digit number and display the sum of the digits.

```c
#include<stdio.h>
int main()
{
    int n;
    int d,sum=0;
    printf("enter a number:");
    scanf("%d",&n);
    while(n>0)
```

```
    {
        d=n%10;

        sum=sum+d;

        n=n/10;

    }
    printf("%d",sum);

}
```

Q. wap to check whether the given no. is even or odd using a bitwise operator.

```
#include<stdio.h>

int main()

{

    int a;

    printf("enter a number");

    scanf("%d",&a);

    {

        if(a%2==0)

        printf("even");

        else

        printf("odd");
```

```
    }
    return 0;



}
```

Q. wap to print size of an int,a float ,a char ,and a double type variable.

```
#include<stdio.h>
int main() {
    int a;
    float b;
    double c;
    char d;


    printf("Size of int: %d\n", sizeof(a));
    printf("Size of float: %d\n", sizeof(b));
    printf("Size of double: %d\n", sizeof(c));
    printf("Size of char: %d\n", sizeof(d));
```

```
    return 0;

}
```