(1) Write a program to print unit digit of a
given number.

Ans

```c
int main()
{ int x, y ;
        printf("enter a number");
        scanf(" %d", &x);
y = x%10 ;
        printf(" unit digit of given no. is %d", y);
}
```

(2) Write a program to print a given number without
its last digit.

Ans
```c
int main()
{ int x, y ;
        printf("enter a number");
        scanf("%d", &x);
y = x/10;
        printf("unit digit of given no.
        printf("Number without its last digit is
        %d", y);
}
```

(3) Write a program to swap values of two int
variables.

Ans
```c
int main()
{       int a, b, c
                printf("enter first number");
                scanf("%d", &a);
```

```
printf ("enter second number");
Scanf (" /d", &b);

c = a;
a = b;
b = a;
printf ("After swapping first number is /d", a);
printf ("after Swapping second number is /d", b);
```

④ Write a program to swap values of two int variable without using a third variable.

Ans

```
int main()
    int a = 12, b = 20;

printf (" before Swap a = /.d, b = /.d", a, b);

a = a + b;  // = 30      (10+20)
b = a - b;  // = 10      (30- 20)
a = a - b;  // = 20      (30-10)

printf (" After swap a= /.d, b = /.d", a, b);
```

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

Ans

```
int main()
{   int char, c;
```

```c
    printf(" enter a character");
    Scanf("%c", &c);
}

    printf("ASCII Value of %c = %d", c, c);
}
```

(8) Write a program to check whether a given number is even or odd using bitwise operator.

Ans

```c
int main()
{ int x;
        printf("enter a number");
        Scanf("%d", &x);
if (x & 1 == 1)
        printf("odd");
else if (x & 1 == 0)
        printf("even");
}
```

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

Ans

```c
int main()
{ int a;
  char b;
  double c;
  Float d;

printf("Size of char is %d bytes\n", sizeof(b));
printf("size of int is %d bytes\n", Sizeof(a));
printf("Size of double is %d bytes\n", Sizeof(c));
printf("size of float is %d bytes\n", sizeof(d));
}
```

(11) Write a program to input from the user and also input a digit. Append a digit in the number and print the resulting number.

Ans

```
int main()
{ int x, y=9;
        printf("enter a number");
        Scanf("%d", &x);

        printf(" Add one digit last of the number")
        Scanf("%d %d", x, y);
```

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

```
int main()
{ int , a, b, c, d;

        printf("enter three digit number");
        Scanf("%d", &a)

        b =    a % 10;
        c =    a / 10;
        d =    b × 100 + c;

        printf(" after rotate its digit by one
                position- %d", d);
```

(5) Write a program to take three digit no. and displays the sum of the digits.

Ans-

```c
int main()
{ int a, b, c, d, E, x;
    printf(" enter three Digit no.");
    Scanf("%d", &x);


    a =  x%10;        //      = 3
    b = 123/10;       //      = 12
    c = b/10 ;        //      = 1
    d = b%10;  //      = 2


        E =  a + c + d;
}
    printf(" sum of three digit no. is %d", E);
```

(10) Write a program to make the last digit of a number stored in a variable as zero.
[2345   make it 2340)

```c
int main()
{ int x, y, z;
            printf(" enter a number");
            Scanf("%d", &x);


    y = a/10;
    z = 0;


    printf(" make it zero last Digit of a
            number %d %d", a, b);
```

(12) Assume price of 1 USD is INR 76.23
Write a program to take the amount in INR and convert it into USD.

Ans

```
int main()
{ int x, ∅;
  float y;   printf(" enter a number");
         scanf("%d", &x);


  y = x × 1 / 76.25 ;


  printf("%d INR is %f USD, x, y);
}
```

(7) Write a program to find the position of first in LBS.

Ans

```
int main()
  int x = ? , count = 0;
  int result = 0;

  while (x != 0)
{
result = x & 1;
count ++;
    if (result == 1)
{

       printf("%d", count);
```

```
            break;
        }
        x = x >> 1;
    }
    return (0);
```