## Ex 2 reverse the no.

```
main.c

1 #include <stdio.h>
2 int main() {
3 int num, reverse = 0, remainder;
4 printf("Enter a number: ");
5 scanf("%d", &num);
6 while (num!= 0) {
7 remainder = num % 10;
8 reverse = reverse * 10 + remainder;
9 num /= 10;
10 }
11 printf("Reverse Number: %d\n", reverse);
12 return 0;
13 }
```

#### Ex 3 factorial of N

## Ex 4 perfect no.

## Ex 5 square and cube of a no.

## Ex 6 vote eligible

#### Ex 7 odd or even no.s

## Ex 8 range of no. without the value that represented in the R

#### Ex 9 no. of rows

## Ex 10 printing repeated no. in pattern

```
main.c Cleor

1 #include <stdio.h>
2 - int main() {
3     int n, i, j;
4     printf("Enter the number of lines: ");
5     scanf("%d", &n);
6 - for (i = 1; i <= n; i++) {
7     for (j = 1; j <= i; j++) {
8         printf("%d", i);
9     }
10     printf("\n");
11     printf("\n");
12     return 0;
13 }
```

# Ex 11 tables

```
main.c Clear

1 #include <stdio.h>
2- int main() {
3    int m, n, i;
4    printf("Enter M and N: ");
5    scanf("%d %d", &m, &n);
6- for (i = 1; i <= n; i++) {
7    printf("%dx%d-%d \n", m, i, i * m);
8    }
9    return 0;
--- Code Execution Successful ---

10 }

Clear

Clear

Clear

Ax1-7

7x1-7

7x2-14

7x3-21

7x4-28

6- for (i = 1; i <= n; i++) {
7x5-35

--- Code Execution Successful ---

10 }
```

## Ex 12 composites no.

# Ex 13 no. of negative no.s

## Ex 14 reverse array

```
main.c Clear

1 #include <stdio.h>
2 - int main() {
3     int arr[] = {16, 18, 27, 16, 23, 21, 19};
4     int n - sizeof(arr) / sizeof(arr[0]);
5     int i, j, temp;
6     for (i = 0, j = n - 1; i < j; i++, j--) {
7         temp = arr[i];
8         arr[i] = temp;
10     }
11     printf("Reverse Array: ");
12 - for (i = 0; i < n; i++) {
13         printf("%d ", arr[i]);
14     }
15     return 0;
16 }
```

## Ex 15 transpose of matrix

# Ex 16 array without duplicate

# Ex 17 search of the element in an array

```
Clear
main.c
                                         [] 🔅
                                                      ન્દ્ર
                                                              Run
                                                                         Output
                                                                      Given element 27 is found at 3th position
3 - int main() {
        int arr[] = {16, 18, 27, 16, 23, 21, 19};
int n = sizeof(arr) / sizeof(arr[0]);
        int element = 27;
        int found = 0;
        for (int i = 0; i < n; i++) {
            if (arr[i] == element) {
                found = 1;
                   position\n", element, i + 1);
        if (!found) {
```

#### Ex 18 adding 2 no.

#### Ex 19 max number

# Ex 20 largest no. in array or elements

```
main.c
                                       [] 🌣 🤻
                                                                    Output
                                                                                                                               Clear
1 #include <stdio.h>
2 #include <stdlib.h>
                                                                   Input total number of elements: 7
                                                                   Number 1: 7
                                                                   Number 2: 4
                                                                   Number 3: 5
                                                                   Number 4: 3
       printf("Input total number of elements: ");
                                                                   Number 5: 2
       scanf("%d", &n);
                                                                   Number 6: 1
       arr = (float*)malloc(n * sizeof(float));
                                                                   Number 7: 0
                                                                   The Largest element is : 7.00
           if (i == 0 || arr[i] > max) max = arr[i];
       printf("The Largest element is : %.2f\n", max);
```