```
#include <stdio.h>
int main(void) {
   int num_array[10] = {1,2,3,4,5,6,7,8,9,10};

   for (int i=0; i<10; i++) {
      printf("%d ", num_array[i]);
   }

   return 0;
}

• Tasks ./task8-1
1 2 3 4 5 6 7 8 9 10 }</pre>
```

```
#include <stdio.h>
int main(void) {
    int num[5];
    int tmp;

for (int i=0; i<5; i++) {
        printf("Enter the array value #%d: ", i+1);
        scanf("%d", &tmp);
        num[i] = tmp;
    }

for (int j=0; j<5; j++) {
        printf("%d ", num[j]);
    }

    return 0;
}

return 0;
}

-> Tasks ./task8-2
Enter the array value #1: 10
Enter the array value #2: 20
Enter the array value #3: 30
Enter the array value #4: 40
Enter the array value #4: 40
Enter the array value #5: 50
10 20 30 40 50 2
```

```
#include <stdio.h>
int main(void) {
    int length = 0;
    int array[100];
    int tmp;
    printf("Enter the length of array: ");
    scanf("%d", &length);
    for (int i=0; i<length; i++) {</pre>
         printf("Enter the array value #%d: ", i+1);
         scanf("%d", &tmp);
         array[i] = tmp;
    for (int j=0; j<length; j++) {</pre>
        printf("%d ", array[j]);
    return 0;
Tasks ./task8-3
Enter the length of array: 3
Enter the array value #1: 10
Enter the array value #2: 20
Enter the array value #3: 30
   10 20 30 %
```

```
#include <stdio.h>
int main(void) {
    int array[10] = { 1, 3, -20, 1, 5, 10, 2, 5, 9, 10};
    int index = -1;

int check = 0;
    for (int i=0; i<10; i++) {
        if (array[i] == 10 && check != 1) {
            index = i;
            check = 1;
        }
        printf("%d ", array[i]);
    }

    printf("\nIndex: %d", index);

    return 0;
}

    → Tasks ./task8-4
    9 8 2 3 0 -1 2 3 4 5
    Index: -12
    → Tasks ./task8-4
    1 3 -20 1 5 10 2 5 9 10
    Index: 52</pre>
```

```
#include <stdio.h>
int main(void) {
    int array[10] = {1,2,3,4,5,6,7,8,9,10};

    for (int i=0; i<10; i++) {
        printf("%d ", array[i]);
    }

    printf("\n");
    for (int i=9; i>=0; i--) {
        printf("%d ", array[i]);
    }

    return 0;
}

** Tasks ./task8-6
1 2 3 4 5 6 7 8 9 10
10 9 8 7 6 5 4 3 2 1 **
```

```
#include <stdio.h>
int main(void) {
     int length;
    float x_average = 0;
    float y_average = 0;
    printf("Enter the number of coordinates: ");
    scanf("%d", &length);
    int array[length][2];
    for (int i=0; i<length; i++) {</pre>
         printf("Enter the #%d coordinate: ", i+1);
         scanf("%d %d", &array[i][0], &array[i][1]);
         x_average += array[i][0];
         y_average += array[i][1];
    printf("%.3f %.3f", x_average/length, y_average/length);
    return 0;
 ● → Tasks ./task8-7
  Enter the number of coordinates: 5
Enter the #1 coordinate: 1 2
Enter the #2 coordinate: 2 3
Enter the #3 coordinate: 3 4
Enter the #4 coordinate: 4 5
Enter the #5 coordinate: 5 6
3.000 4.000
```