

SELECTION SORT PROGRAM:-

```
#include <stdio.h>
int main()
{
    int array[5000], n, c, d, position, t;

    printf("Enter number of elements\n");
    scanf("%d", &n);

    printf("Enter %d integers\n", n);

    for (c = 0; c < n; c++)
        scanf("%d", &array[c]);

    for (c = 0; c < (n - 1); c++)
    {
        position = c;

        for (d = c + 1; d < n; d++)
        {
            if (array[position] > array[d])
                position = d;
        }
        if (position != c)
        {
            t = array[c];
            array[c] = array[position];
            array[position] = t;
        }
    }
}
```

```
printf("Sorted list in ascending order:\n");

for (c = 0; c < n; c++)
    printf("%d\n", array[c]);

return 0;
}
```

OUTPUT:-

```
Enter number of elements
10
Enter 10 integers
-2
-5
-7
-6
0
1
4
5
6
9
Sorted list in ascending order:
-7
-6
-5
-2
0
1
4
5
6
9
```