1. Write a program to sort an array in descending order using bubble sort.

Input Array {3,5,1,6,0}

Output Array: {6, 5, 3, 1, 0}

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q2. WAP to sort an array in descending order using selection sort

Input Array {3,5,1,6,0}

Output Array: {6, 5, 3, 1, 0}

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q3. WAP to sort an array in decreasing order using insertion sort

Input Array {3,5,1,6,0}

Output Array: {6, 5, 3, 1, 0}

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q4. Find out how many pass would be required to sort the following array in decreasing order using bubble sort

Input Array {3,5,1,6,0}

Ans. 3 iterations are required

Original Array is {3 5 1 6 0}

In first iteration array is {5 3 6 1 0}

In second iteration array is {5 6 3 1 0}

In third iteration array is {6 5 3 1 0}

Q5. Find out the number of iterations to sort the array in descending order using selection sort.

Input Array {3,5,1,6,0}

Ans. 3 iterations are required.

Original Array is {3 5 1 6 0}

In first iteration array is {6 5 1 3 0}

In second iteration array is {6 5 1 3 0}

In third iteration array is {6 5 3 1 0}

Now the array is sorted.