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**Section = BS SE 3-2** 

**DSA LAB 10:** 

## Task 1:

```
void printArray(int arr[], int n)
          for (int i = 0; i < n; i++)
          cout << endl;</pre>
      int main()
          int w1,w2,w3;
          w1 = sizeof(arr1) / sizeof(arr1[0]);
          int arr2[] = {19, 11, 17, 5, 9, 13, 15, 7, 3, 2};
          w2 = sizeof(arr2) / sizeof(arr2[0]);
          int arr3[] = {5, 2, 8, 12, 3, 1, 6, 4, 10, 7};
          w3 = sizeof(arr3) / sizeof(arr3[0]);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\mwale> cd "d:\DSA\DSA LAB\Lab 11\"; if (\$?) { g++ Task\_1.cpp -o Task\_1 } ; if (\$?) { .\Task\_1 }
Sorted nearly sorted array: 2 3 5 7 9 11 13 15 17 19
Sorted completely unsorted array: 19 11 17 5 9 13 15 7 3 2
Sorted random array: 5 2 8 12 3 1 6 4 10 7
PS D:\DSA\DSA LAB\Lab 11>
```

## Task 2:

```
D: > DSA > DSA LAB > Lab 11 > G+ Task_2.cpp > 😚 main()
 void printArray(int arr[], int n)
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           for (int i = 0; i < n; i++)
           cout << endl;</pre>
       int main()
           int w1, w2,w3;
           int arr1[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
           w1 = sizeof(arr1) / sizeof(arr1[0]);
           w2 = sizeof(arr2) / sizeof(arr2[0]);
           int arr3[] = {5. 2. 8. 12. 3. 1. 6. 4. 10. 7}:
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\mwale> cd "d:\DSA\DSA LAB\Lab 11\" ; if (\r?) { g++ Task_2.cpp -0 Task_2 } ; if (\r?) { .\Task_2 } Sorted already sorted array: 1 2 3 4 5 6 7 8 9 10
Sorted reverse sorted array: 10 9 8 7 6 5 4 3 2 1
Sorted random unsorted array: 5 2 8 12 3 1 6 4 10 7
PS D:\DSA\DSA LAB\Lab 11>
```