Experiment 8

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Name: Megh Ketan Shah
SYIT
Roll No.: 54
Program:
#include <stdio.h>
void swap(int *xp, int *yp){
      int temp = *xp;
       *xp = *yp;
       *yp = temp;
}
void selectionSort(int arr[], int n){
       int i, j, min_idx;
       for (i = 0; i < n-1; i++)
             min_idx = i;
             for (j = i+1; j < n; j++)
                    if (arr[j] < arr[min_idx])</pre>
                           min_idx = j;
                    if(min_idx != i)
                           swap(&arr[min_idx], &arr[i]);
      }
}
void printArray(int arr[], int size){
       int i;
      for (i=0; i < size; i++)
             printf("%d ", arr[i]);
      printf("\n");
}
int main(){
       int arr[10],i,n;
      printf("\nEnter the number of elements in the array: ");
      scanf("%d", &n);
      printf("\nEnter the elements of the array: ");
```

Output:

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Activities Terminal * Octo 1359

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cather the number of elements in the array; 5
Enter the elements of the array; 6

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