2- Bubble Sort

22/1/2024

```
#include <stdio.h>
int main()
{
int arr[], n, i, d, swap;
printf("Enter the" elements:\n");
scanf("%d", &n);
printf("Enter %d integers", n);
for(i=0; i<n; i++)
{
scanf("%d", &arr[i]);
}
for(i=0; i<n; i++)
{
for(d=0; d<n-i-1; d++)
{
if(arr[d] > arr(d+1))
{
swap = arr[d];
arr[d] = arr[d+1];
arr[d+1] = swap;
}
}
}
printf("Sorted list in ascending order:\n");
for(i=0; i<n; i++)
{
printf("%d\n" arr[i])}
}
return 0;
}
```

Selection - Sort

Lab-2-program

22/4/21.

```
#include<stdio.h>
int main()
{
int arr[100], n, i, j, min, temp;
printf("enter the number of elements:\n");
scanf("%d", &n);
printf("enter the elements:\n", n);
for(i=0; i<n; i++)
{
scanf("%d", &a[i]);
}
for(i=0; i<n-1; i++).
{
min=i;
for(j=i+1; i<n; j++)
{
if(a[min]>a[j])
min=j;
}
if(min!=i)
{
temp=a[i];
a[i]=a[min];
a[min]=temp;
}}
printf("The sorted array in ascending order:");
for(i=0; i<n; i++)
{
printf("%d", a[i]);
}
return 0;
}
```