CS pathshala
Bringing computational thinking to schools

Questions: (* questions can be used for evaluation)

1. Sort the numbers in ascending order

7	9	11	13	6	2	4	3	5

Answer

2	3	4	5	6	7	9	11	13

2. Write the steps for arranging 3 numbers in ascending order?
   8, 7 , 6

	8	7	6
	8	7	6
Step1	8	7	6
Swap	7	8	6
Step 2	7	8	6
Swap	7	6	8
Step 3	7	6	8
Swap	6	7	8

Step 1 : Compare 8 and 7
If 8 > 7 swap numbers 8 and 7
Step 2 : Compare 8 and 6
If 8 > 6 swap numbers 8 and 6
Step 3 : Compare 7 and 6
If 7 > 6 swap numbers 7 and 6

3. How can you sort the numbers in descending order using the same algorithm?
   Should the robot use a different approach to compare this time?
   Write the steps for the following numbers
   6,7,8

Name: **Class:**   **Div:**   **Roll. No:**

1

	6	7	8
Step1	6	7	8
Swap	6	7	8
Step 2	6	7	8
Don't Swap	6	7	8
Step 3	6	7	8
Swap	6	7	8

Step 1 : Compare 6 and 7

If 6 < 7 swap numbers 6 and 7

Step 2 : Compare 7 and 8

If 7 < 8

Since 7 < 8 don't swap them since 7 is < 8 already

Step 3 : Compare 7 and 8

If 7 < 8

Since 7 < 8 don't swap them since 7 is < 8 already

Name: Class: Div: Roll. No: