1- Write and see the result of the following code sample.

```c
/* Program shows positive and negative numbers
and their array indices*/
#include <stdio.h>
int main()
{
    int a[5];

    printf("Enter 5 negative or positive numbers\n");

    for (int i=0;i<5;i++)
        scanf("%d",&a[i]);

    printf("Negative values and array indices\n");

    for(int j=0;j<5;j++)
    {
        if(a[j] < 0)
            printf("a[%d]=%d\n",j,a[j]);
    }

    printf("\nPositive values and array indices\n");

    for(int k=0;k<5;k++)
        if(a[k]>=0)
            printf("a[%d]=%d\n",k,a[k]);

    return (0);
}
```

2- Your program will contain an array whose size is 5. Then user will enter numbers to that array. The numbers will be listed from smallest to biggest.

```
#include<stdio.h>

int main()
{
	int temp;

	int array[5];
	//ENTER THE NUMBERS TO THE
ARRAY
	printf("\nEnter 5 numbers:\n");
	printf("================\n\n");
	for(int i=0;i<5;i++)
	{
		printf("array[%d]:\n\t",i);
		scanf("%d",&array[i]);
	}
	//NUMBERS ARE ENTERED TO THE
ARRAY
	//SORT THE NUMBERS BY BUBBLE
SORT ALGORITHM
	for(int i=0; i<5; i++)
	{
		for(int j=0; j<4; j++)
		{
			if(array[j]>array[j+1])
			{
				int temp =
array[j+1];
				array[j+1] = array[j];
				array[j] = temp;
			}
		}
	}
	//NUMBERS ARE SORTED

	//PRINT THE SORTED LIST
	printf("\n\nThe sorted list of the
numbers:\n");

	for(int i=0;i<5;i++)
		printf("%d ",array[i]);

	printf("\n\n");

	//SORTED LIST OF THE NUMBERS ARE
PRINTED
	return 0;
}
```

Output sample of the code:

```
Enter 5 numbers:
================

array[0]:
        3
array[1]:
        2
array[2]:
        6
array[3]:
        1
array[4]:
        9


The sorted list of the numbers:
1 2 3 6 9
```