

```
//Sorting Algorithms
```

```
#include <stdio.h>
```

```
int main(void) {  
int n, i, j;
```

```
printf("Enter number of product prices: ");
```

```
scanf("%d", &n);
```

```
float prices[n];
```

```
printf("Enter %d product prices:\n", n);
```

```
for (i = 0; i < n; i++) {
```

```
scanf("%f", &prices[i]);
```

```
}
```

```
for (i = 0; i < n - 1; i++) {
```

```
for (j = 0; j < n - i - 1; j++) {
```

```
if (prices[j] > prices[j + 1]) {
```

```
float temp = prices[j];
```

```
prices[j] = prices[j + 1];
```

```
prices[j + 1] = temp;
```

```
}
```

```
}
```

```
}
```

```
printf("\nPrices sorted by Bubble Sort:\n");
```

```
for (i = 0; i < n; i++) {
```

```
printf("%.2f ", prices[i]);
```

```
}
```

```
printf("\n");
```

```
return 0;
```

```
}
```