

Object-Oriented Programming Homework-7

1. Write a function template `insertionSort` based on the following program. Be sure to write a driver program that inputs, sorts, and outputs an `int` array and a `float` array.

```
void insertionSort(int array[ ], int length)
{
    int insert;
    int i;
    int moveItem;

    for(i=1 ; i<length ; i++){
        moveItem=i;
        insert=array[i];

        while(moveItem>0 && array[moveItem-1]>insert){
            array[moveItem]=array[moveItem-1];
            --moveItem;
        }

        array[moveItem]=insert;
    }
}
```

2. Write a conditional expression that returns either a `double` or an `int`. Provide an `int` catch handler and a `double` catch handler. Show that only the `double` catch handler executes, regardless of whether the `int` or the `double` is returned.