

HW – Arrays

1. Consider the following declaration:

```
String skiResorts[] = {  
    "Whistler Blackcomb", "Squaw Valley",  
    "Brighton", "Snowmass", "Sun Valley",  
    "Taos"  
};
```

- a) What is the index of Brighton in the following array?

2

- b) Write an expression that refers to the string Brighton within the array.

```
System.out.println(skiResorts[2]);
```

- c) What is the value of the expression `skiResorts.length`?

6

- d) What is the index of the last item in the array?

5

- e) What is the value of the expression `skiResorts[4]`?

"Sun Valley"

2. **Height.java:** Write a program to read in a series of heights of 20 people and output all those that are above the average in height for the group.

3. **Numbers.java** (each point must be implemented in separated loops where applicable)

- Declare an array of 6 doubles
- read in a list of values from the user
- print the values in reverse order
- add 10% to each value in the array
- print all the values that are over 50

4. **Marks.java:** Create two arrays of size 4 - name & mark

- a) fill them with values from the user
- b) prompt the user for one mark, search for it and tell the user the name of the person who obtains the mark. If the mark can't be found, indicate it doesn't exist.