Navraj Singh 1310194
Partner: Risham Singh 1313527
CSCI260 – W03
Assignment #9

```java
public class hashchallenge {
    private static Hashtable<String, String> boats = new Hashtable<String, String>();

    public static void addBoat(String name, String hull) {
        boats.put(name, hull);
    }

    public static void printBoats() {
        Enumeration<String> enumeration = boats.elements();
        System.out.print(s:"hashtable values: " );
        while (enumeration.hasMoreElements()) {
            System.out.print(enumeration.nextElement() + ", ");
        }
        System.out.println();
    }
    Run | Debug
    public static void main(String[] args) {
        Scanner keyboard = new Scanner(System.in);

        while (true) {
            System.out.println(x:"Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit");
            switch (keyboard.nextLine()) {
                case "a":
                    System.out.println(x:"Enter boat name");
                    String name = keyboard.nextLine();
                    System.out.println(x:"Enter boat hull number");
                    String hull = keyboard.nextLine();
                    addBoat(name, hull);
                    break;
                case "p":
                    printBoats();
                    break;
                case "q":
                    System.exit(status:0);
                    break;
                case "s":
                    System.out.println(x:"Enter boat name to search");
                    String search = keyboard.nextLine();
                    System.out.println(boats.get(search));
                    break;
                default:
                    System.out.println(x:"Invalid input");
                    break;
            }
        }
    }
}
```

```
Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit
a
Enter boat name
nav
Enter boat hull number
kyu5081
Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit
a
Enter boat name
risham
Enter boat hull number
kyu5081
Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit
p
hashtable values: kyu5081, kyu5081,
Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit
s
Enter boat name to search
nav
kyu5081
Enter 'a' to add a boat, 'p' to print, 's' to search, or 'q' to quit
q
```