

CS 101 Lab 3 Revision Thu:

Update your program in part 3.

- Firstly, add a new option for the user to be able to check his/her rank based on the number of coins. This new option should be placed as the second item in the operation selection menu. If the user selects this option, compute his/her rank as the number of coins divided by 100 minus 1 (the rank should be an **integer**, and assume you have 600 coins initially). Display the number of coins and the rank, then exit. If the number of coins is less than 100, display "No rank is available! Bye!".

Sample runs:

```
Enter your username: JavaWarrior
Enter your password: JavaRocks
1- Upgrade armor
2- Check rank
3- Add a buddy
4- Change credentials
Select an operation: 2
Check rank:
You have 600 coins.
Your rank is 5! Bye!
```

```
Enter your username: JavaWarrior
Enter your password: JavaRocks
1- Upgrade armor
2- Check rank
3- Add a buddy
4- Change credentials
Select an operation: 2
Check rank:
You have 50 coins.
No rank is available! Bye!
```

- Now modify the change credentials operation so that if the user enters the old password or a String with more than 10 characters display "Invalid password! Bye!" and exit. Otherwise, the operation must work as before.

Sample runs:

```
Enter your username: JavaWarrior
Enter your password: JavaRocks
1- Upgrade armor
2- Check rank
3- Add a buddy
4- Change credentials
Select an operation: 4
Change credentials:
1- Change username
2- Change password
Select an option: 2
Enter your new password: JavaRocks
"Invalid password! Bye!"
```

```
Enter your username: JavaWarrior
Enter your password: JavaRocks
1- Upgrade armor
2- Check rank
3- Add a buddy
4- Change credentials
Select an operation: 4
Change credentials:
1- Change username
2- Change password
Select an option: 2
Enter your new password:
JavalsMyFavoriteLanguage
"Invalid password! Bye!"
```