

King Saud University
College of Computer & Information Sciences
CSC111
Lab Exam 1_F

(A. 5 marks) write a Java program that converts an amount of money in Saudi Riyal (SAR) to a currency chosen by the user and call it **Currency1**. The program first reads the amount (in SAR) and the desired currency and converts it using the following table:

Currency	Exchange Rate (to SAR)	Cash Limit
1 USD	3.75	10,000
1 EUR	4.67	15,000
1 GBP	3.98	20,000
1 CAD	2.79	25,000

The program then tells the user if the converted amount exceeds the airport cash limit or not, and by how much.

Here is a sample run of the program:

```
Enter the amount in SAR: 35000  
Enter the desired currency: USD  
The amount 9333.33 is within the limits (10,000 USD).
```

(B. 5 marks) convert your previous program into an interactive currency converter that can handle more than one request, and write it as a new class named: **Currency2**. Your program should keep reading amounts and currencies and printing the results until the user enters **-1** as an amount to terminate the program.

Here is a sample run of the program:

```
Enter the amount in SAR (-1 to exit): 35000
```

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```
Enter the desired currency: USD
The amount 9333.33 is within the limits (10,000 USD).
Enter the amount in SAR (-1 to exit): 75000
Enter the desired currency: EUR
Sorry, that's more than the allowed amount (15,000 EUR) by 1059.96
Enter the amount in SAR (-1 to exit): 20000
Enter the desired currency: CAD
The amount 7168.46 is within the limits (25,000 CAD).
Enter the amount in SAR (-1 to exit): -1
Thanks! Goodbye!
```