

## Exercise:

A *Fortune-teller* is a person who predicts information about a person's life (if you believe!). In this question we are going to imitate the most well-known fortune-teller "*Falci Bacı*", and even we are going to add more features to the application.

As you all know, *Falci Bacı* takes care of the fortunes told by inspecting the grounds remaining in one's Turkish coffee cup only. We are going to add one more feature that is telling fortune by reading cards. So, the user will be able to pick whichever type of fortune s/he wants to have. You will be using "Fortunes.xlsx" file to make the application working. Please download it from *OdtüClass*.

### i. **Coffee fortune**

If this type is selected, you need to enter three figures (words) among the list given below:

- ✓ Horse, Horseshoe, Bird, Road, Snake, Devil, Fish, Tear, Evileye, Key, Car, Fullheart, Brokenheart, Rooster, Tree

Then, *Falci Bacı* will give the fortune using the corresponding implications specified in sheet "CoffeeFortuneFigures" and two random sentences from the sheet "CoffeeFortuneRandom". You need to give the first sentence for the first figure, the

second from the random list, the third for the second figure, the forth from the random list, and the last sentence is for the third figure.

### ii. **Cards Fortune**

The most important part of this type is hidden under the shuffling process. Normally, you need to think of your question or problem, then draw cards in a particular order and lay them out on the table. However, as we deal with a computer program, we are going to do this in a random manner.

You are going to create a *Deck* of 52 cards using cell arrays (as in we did in Lab-7), and then shuffle this not using a specific procedure but in a random manner (for more information follow the **Hint** given at the end of the question statement). Then, you have 3 types of cards fortune:

#### 1. Draw only one card:

For a simple and fast answer to a burning question.

#### 2. Draw three cards:

The first represents the past, the second shows the situation in the present, and the third reveals the outcome, or future of the matter.

3. Draw one card for each of these categories:

- Yourself,
- Your Family,
- Your Friends,
- What You Expect,
- What You Don't Expect, and
- The Outcome.

Each card will correspond to a category in the same order displayed above respectively.

The sheet "CardsFortune" in the Excel file will help you at this scope. After shuffling the selection of cards will be from the bottom of the deck. The following instance outputs will further help you to understand the whole procedure:

```
>> HW6_ID1234567_Q1
Welcome to Falci Baci!
Please enter the type of fortune (1: Coffee fortune, 2: Cards
fortune): 1
You requested a coffee fortune.
```

```
Please tell me the three things you see in your cup among this list:
(Horse, Horseshoe, Bird, Road, Snake, Devil, Fish, Tear, Evileye, Key,
Car, Fullheart, Brokenheart, Rooster, Tree):
Horse
Bird
Road
You will receive good news or face with a new romance. All work and no
play make you tired and grumpy. In three time units, you will receive
good news from a close friend. Seek out a new environment if you're
stuck in a rut. This summer holiday will be a long one!
```

```
>> HW6_ID1234567_Q1
Welcome to Falci Baci!
Please enter the type of fortune (1: Coffee fortune, 2: Cards
fortune): 2
You requested a cards fortune.
Please tell me the type of cards fortune (1: Draw one card, 2: Draw
three cards, 3: Draw six cards): 1
Shuffling and drawing a card for you.
9 Clubs-Achievement; sometimes a wealthy marriage or a sudden
windfall.
```

>> HW6\_ID1234567\_Q1

Welcome to Falci Baci!

Please enter the type of fortune (1: Coffee fortune, 2: Cards fortune): 2

You requested a cards fortune.

Please tell me the type of cards fortune (1: Draw one card, 2: Draw three cards, 3: Draw six cards): 2

Shuffling and drawing three cards for you.

Past: A Clubs-Wealth, prosperity, unexpected money/gain. However, in a difficult spread, this money may disappear almost as quickly as it appears.

Present: K Spades-Dark-haired man; or a man with Air predominating in his chart. An ambitious man, perhaps self-serving.

Future: 4 Hearts-Travel, change of home or business.

>> HW6\_ID1234567\_Q1

Welcome to Falci Baci!

Please enter the type of fortune (1: Coffee fortune, 2: Cards fortune): 2

You requested a cards fortune.

Please tell me the type of cards fortune (1: Draw one card, 2: Draw three cards, 3: Draw six cards): 3

Shuffling and drawing three cards for you.

Yourself: 2 Clubs-Obstacles to success; malicious gossip.

Your Family: 5 Diamonds-Happiness and success. A change for the better. A birth, or good news for a child. A good time to start new projects.

Your Friends: 9 Hearts-The card of wishes. A wish/dream fulfilled.

Look to the card just preceding this one to determine what the querent desires.

What You Expect: 6 Clubs-Financial aid or success.

What You Don't Expect: 3 Diamonds-A legal letter. Be tactful with others in order to avoid disputes.

The Outcome: K Diamonds-Fair-haired or graying man, or a man with Earth predominating in his chart. A man of authority, status, or influence.