PART 2
Question 1:

There is a music box in a restaurant. The box is 20 years old. The producer company wants to update the application in it with new music repertoire. The old application is working with current songs but if the company changes the songs the music box is not working. Our job is to renew the application with new songs.

The music box should have 3 different types of music: Classical, Pop and Country. There should be 5 different songs for every type of music. So, total we have 15 songs.

The company wants us the build the application with following feature:
- the music box should print the available category of music and ask from the user what kind of music he/she wants to listen. If the answer is not matching any of available types (classical, pop or country), the application should print out: **"TYPE OF MUSIC is not available"** message. If entered type is available, then the application should print the available songs under the type and should ask "Which song the user want to listen"

Example 1
Available music types are Classical, Pop and Country.
Please enter the music type:
Rock
Rock music category is not available

Example 2
Available music types are Classical, Pop and Country.
Please enter the music type:
Rap
Rap music category is not available

Example 3
Available music types are Classical, Pop and Country.
Please enter the music type:
Classical
Four Seasons, Fur Elise, Finlandia, Vocalise, The Planets is available music under Classical music

Which one do you want to listen?

Continue to application—>

If entered music is not available on the list, then application should print "NAMEOFMUSIC is not available". If entered the name of music is matching with one of the available music, then the application should ask the price of the music. If the music classical the price is 2$, for country music price is 3$ but for pop music price is 4$.

Example 4=
Available music types are Classical, Pop and Country.
Please enter the music type:
Classical
Four Seasons, Fur Elise, Finlandia, Vocalise, The Planets is available music under Classical music
Which one do you want to listen?
Nabucco
Nabucco is not available.

Example 5=
Available music types are Classical, Pop and Country.
Please enter the music type:
Classical
Four Seasons, Fur Elise, Finlandia, Vocalise, The Planets is available music under Classical music
Which one do you want to listen?
Fur Elise
Please enter the 2$ for this music

Example 6=
Available music types are Classical, Pop and Country.

Please enter the music type:

Pop

Bad guy, Talk, Please Me, 7 Ring, Without Me is available music under Pop music

Which one do you want to listen?

Bad guy

Please enter the 4$ for this music

Continue to application—>

If entered price is not enough print out "ENTEREDPRICE is not enough, please try later". If entered price is exactly matching with the required price print "MUSICNAME is playing. Enjoy with the music". If entered price is bigger than the expected amount. "You have entered X dollar more. Please wait for change. MUSICNAME is playing. Enjoy with the music".

Example 7

Available music types are Classical, Pop and Country.

Please enter the music type:

Pop

Bad guy, Talk, Please Me, 7 Ring, Without Me is available music under Pop music

Which one do you want to listen?

Bad guy

Please enter the 4$ for this music

2

2$ is not enough. Please try later.

Example 8=

Available music types are Classical, Pop and Country.

Please enter the music type:

Country

Meant to Be, Heaven, Simple, One Number Away, Get Along is available music under County music

Which one do you want to listen?

Heaven

Please enter the 3$ for this music

3
Heaven is playing. Enjoy with the music!

Example 8=
Available music types are Classical, Pop and Country.
Please enter the music type:
Country
Meant To Be, Heaven, Simple, One Number Away, Get Along is available music under County music
Which one do you want to listen?
Simple
Please enter the 3$ for this music
4
You have entered 1$ dollar more. Please wait for change. Simple is playing. Enjoy with the music