

```
1 import os, sys
2
3 """
4 Ejercicio 8. Generar un script que nos permita generar ficheros tar, inicialmente el
5 script nos
6 mostrará un menú con las siguientes opciones:
7 a. Generacion fichero tar
8 b. Extracción fichero tar
9 c. Visualización de la información del fichero tar (nombre del fichero, propietario,
10 y
11 tamaño)
12 d. Listado de todos los archivos incluidos en el fichero tar
13 e. Validación de que el fichero tar se ha generado correctamente, para ello el menú
14 deberá
15 solicitar previamente el fichero tar a validar.
16 Sintaxis: generatar.py
17 """
18
19 Usage: Defining a method that create a Tar file from an input wrote by user
20 Name of method: optionA
21 Date of creation: 16/03/2021
22 Members: Roberto Jiménez y Alberto Pérez
23 Last modification: 16/03/2021
24 Parameters:
25     Entry: None
26     Out: None, output it's tar file
27 """
28 def optionA():
29     print("Name of new tar file: ")
30     fileTarName = input()
31     next = "y"
32     #Loop for adding more files
33     while next == "y":
34         print("File name to introduce into a tar file: ")
35         fileName = input()
36         query = "tar -rvf " + fileTarName + " " + fileName
37         os.system(query)
38         print("Do you want add more files (y/n)?")
39         next = input()
40
41 """
42 Usage: Defining a method that extracts files from a Tar file
43 Name of method: optionB
44 Date of creation: 16/03/2021
45 Members: Roberto Jiménez y Alberto Pérez
46 Last modification: 16/03/2021
47 Parameters:
48     Entry: None
49     Out: None, output is the files extracted
50 """
51 def optionB():
52     print("Name of the .tar file")
53     fileTarName = input()
54     os.system(("tar -xvf" + fileTarName))
55
56 """
57 Usage: Defining a method that lists info from a Tar file
```

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58 Name of method: optionC
59 Date of creation: 16/03/2021
60 Members: Roberto Jiménez y Alberto Pérez
61 Last modification: 16/03/2021
62 Parameters:
63     Entry: None
64     Out: None, output only is showed by terminal
65 """
66 def optionC():
67     print("Name of .tar file")
68     fileTarName = input()
69     os.system(("ls -l " + fileTarName))
70
71
72 """
73 Usage: Defining a method that lists the files in a Tar file
74 Name of method: optionD
75 Date of creation: 16/03/2021
76 Members: Roberto Jiménez y Alberto Pérez
77 Last modification: 16/03/2021
78 Parameters:
79     Entry: None
80     Out: None, output only is showed by terminal
81 """
82 def optionD():
83     print("Name of .tar file: ")
84     fileTarName = input()
85     os.system(("tar -tf " + fileTarName))
86
87
88 """
89 Usage: Defining a main method of program, which is able to work with Tar files,
90 differents options are splitted in some methods (OptionA, B, C and D).
91 Here user select from a menu differents options
92 Name of method: main
93 Date of creation: 14/03/2021
94 Members: Roberto Jiménez y Alberto Pérez
95 Last modification: 16/03/2021
96 Parameters:
97     Entry: None
98     Out: None, info is requested by console
99 """
100 def main():
101     continuar="y"
102     while continuar == "y":
103         print("----- \n"+
104             "a) Generate tar file \n" +
105             "b) Extract tar file \n" +
106             "c) View info about tar file \n" +
107             "d) List all files from a tar file\n" +
108             "e) Exit \n" +
109             "-----")
110         print("$ ", end = "")
111         option = input()
112         if option == "a":
113             optionA()
114         elif option == "b":
115             optionB()
116         elif option == "c":
117             optionC()

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118         elif option == "d":
119             optionD()
120         elif option == "e":
121             exit(0)
122         else:
123             print("Incorrect option")
124
125
126         print("Do you want to do another operation (y/n)")
127         continuar = input()
128
129
130 if __name__ == "__main__":
131     """
132     De esta forma, se comprueba en python para que al ejecutarse el script
133     vaya a la función indicada en este caso main.
134     """
135     main()
136
```