P5_2347107

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Write a program which accepts as input a DOB in the format "dd/mm/yyyy"and prints AGE of the person. Validate the input using Exceptional Handling.

If no input is given, prompt user to enter input

If "?" is typed help the user by telling him/her to enter Data of Birth in the required format

If date is entered validate the correctness of the date and print AGE

If "q" or "Q" is entered invoke a user defined exception which quits the program after printing "Bye! Hope you run this program again".

```python
from datetime import datetime

class InvalidDateFormatError(Exception):
    pass

def quit():
    print("Bye! Hope you run this program again.")
def age(d,m,y):
    today = datetime.now().date()
    ty= today.year
    # print(f"{td}:{tm}:{ty}")
    age=ty-y
    print(f"Your age : {age}")


if __name__ == "__main__":
    try:
        doB=input("Enter day of birth [dd-mm-yyyy] : ")
        format="%d-%m-%Y"

        if (doB == "?"):

            print("-----------------------------------------------------------------\n")
            print("| Please enter a valid date in the following format [dd-mm-yyyy] |")
```

```python
    ↪print("\n----------------------------------------------------------------------")
        if (doB == "q" or doB == "Q"):
            quit()
            pass

        dob_parts = doB.split('-')
        if len(dob_parts) != 3:
            raise InvalidDateFormatError("Invalid date format")
        d,m,y=map(int, dob_parts)
        if not (1 <= d <= 31 and 1 <= m <= 12):
            InvalidDateFormatError("Invalid date format")

        today=datetime.now().date()
        current_year=today.year

        if current_year<y:
            print("Wrong date of Birth")
        else:
            age(d,m,y)

    except ValueError :
        res = False
        quit()
```

Your age : 22

```python
import datetime

today = datetime.date.today()
print(today)
td,tm,ty= today.day,today.month,today.year
print(f"{td}\n{tm}\n{ty}")
```

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