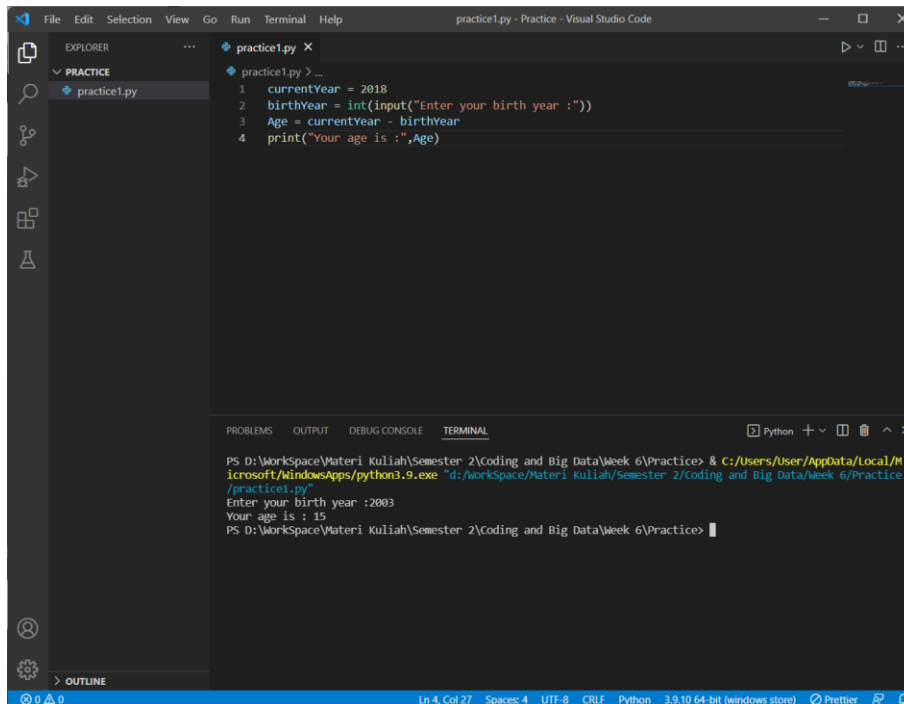


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PRACTICE 1



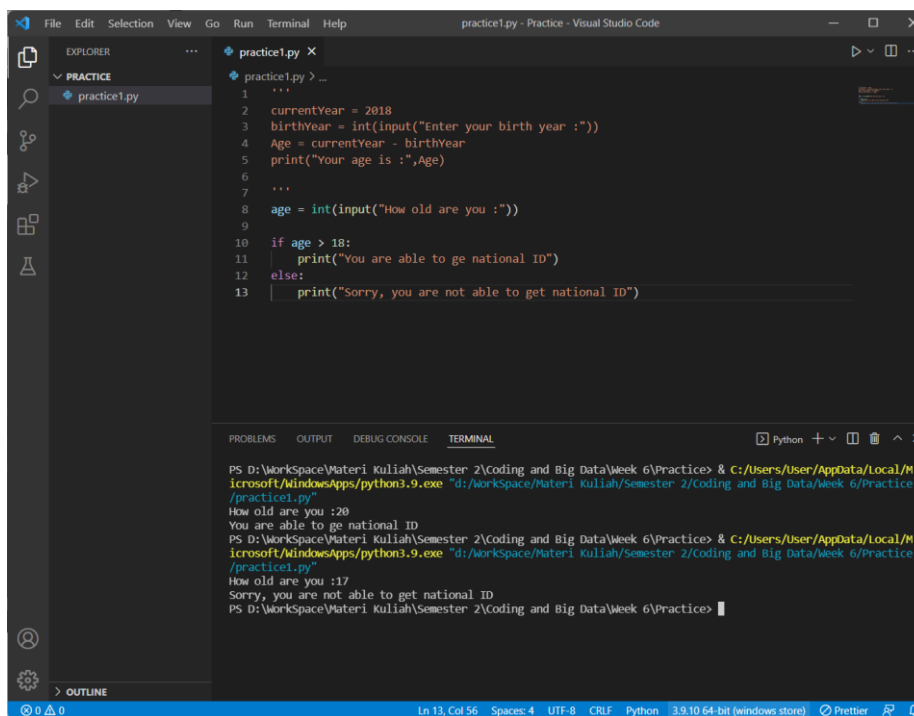
The screenshot shows the Visual Studio Code interface with a file named `practice1.py` open. The code in the editor is as follows:

```
1 currentYear = 2018
2 birthYear = int(input("Enter your birth year :"))
3 Age = currentYear - birthYear
4 print("Your age is :",Age)
```

The terminal at the bottom shows the execution of the script:

```
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:/Workspace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice /practice1.py"
Enter your birth year :2003
Your age is : 15
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice>
```

PRACTICE 2



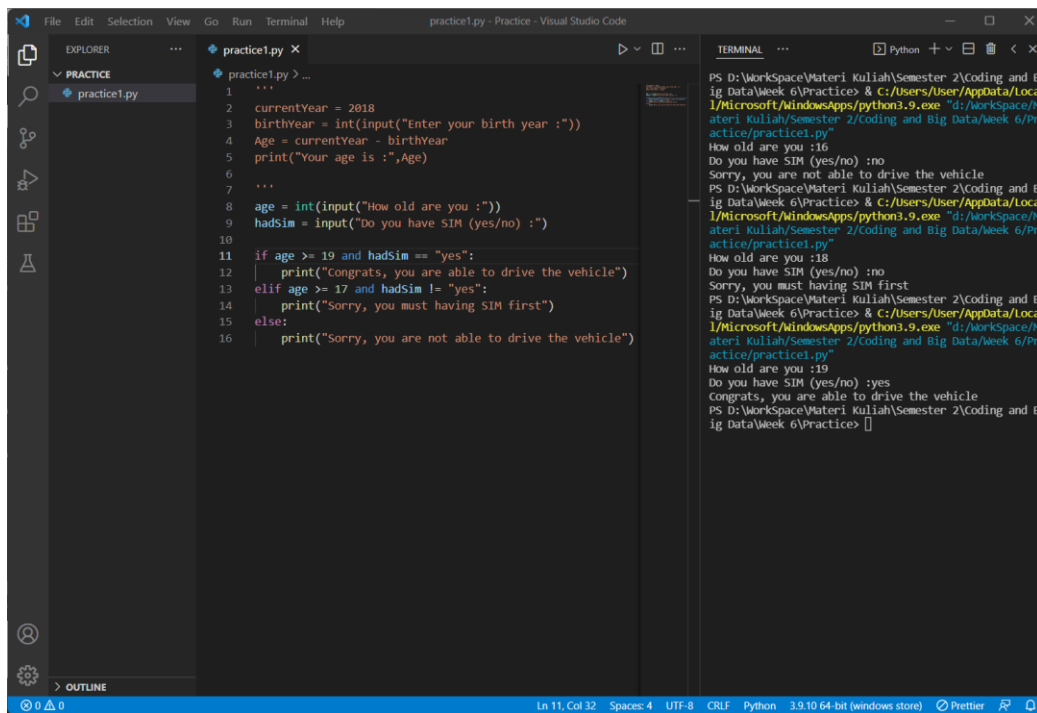
The screenshot shows the Visual Studio Code interface with a file named `practice1.py` open. The code in the editor is as follows:

```
1 '''
2 currentYear = 2018
3 birthYear = int(input("Enter your birth year :"))
4 Age = currentYear - birthYear
5 print("Your age is :",Age)
6
7 '''
8 age = int(input("How old are you :"))
9
10 if age > 18:
11     print("You are able to ge national ID")
12 else:
13     print("Sorry, you are not able to get national ID")
```

The terminal at the bottom shows the execution of the script for two different inputs:

```
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:/Workspace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice /practice1.py"
How old are you :20
You are able to ge national ID
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:/Workspace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice /practice1.py"
How old are you :17
Sorry, you are not able to get national ID
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice>
```

PRACTICE 3



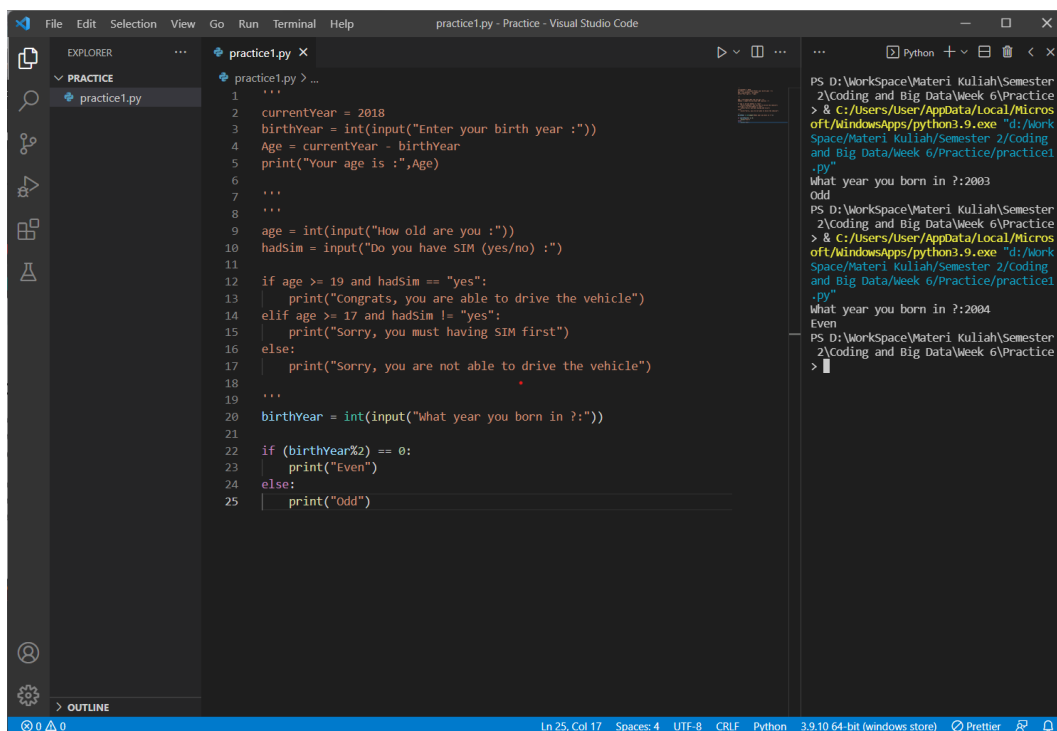
The screenshot shows the Visual Studio Code interface with a Python file named `practice1.py` open in the editor. The code calculates the user's age based on their birth year and checks if they are old enough to drive (age ≥ 19) and if they have a SIM card. The terminal shows the output of the script for three different inputs.

```
1 '''
2 currentYear = 2018
3 birthYear = int(input("Enter your birth year :"))
4 Age = currentYear - birthYear
5 print("Your age is :",Age)
6
7 '''
8 age = int(input("How old are you :"))
9 hadSim = input("Do you have SIM (yes/no) :")
10
11 if age >= 19 and hadSim == "yes":
12     print("congrats, you are able to drive the vehicle")
13 elif age >= 17 and hadSim != "yes":
14     print("Sorry, you must having SIM first")
15 else:
16     print("Sorry, you are not able to drive the vehicle")
```

Terminal Output:

```
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/workSpace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice/practice1.py"
How old are you :16
Do you have SIM (yes/no) :no
Sorry, you are not able to drive the vehicle
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/workSpace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice/practice1.py"
How old are you :18
Do you have SIM (yes/no) :no
Sorry, you must having SIM first
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/workSpace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice/practice1.py"
How old are you :19
Do you have SIM (yes/no) :yes
Congrats, you are able to drive the vehicle
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice>
```

OPTIONAL EXERCISE



The screenshot shows the Visual Studio Code interface with a Python file named `practice1.py` open in the editor. The code calculates the user's age based on their birth year and checks if they are old enough to drive (age ≥ 19) and if they have a SIM card. It also checks if the birth year is even or odd. The terminal shows the output of the script for three different inputs.

```
1 '''
2 currentYear = 2018
3 birthYear = int(input("Enter your birth year :"))
4 Age = currentYear - birthYear
5 print("Your age is :",Age)
6
7 '''
8
9 age = int(input("How old are you :"))
10 hadSim = input("Do you have SIM (yes/no) :")
11
12 if age >= 19 and hadSim == "yes":
13     print("Congrats, you are able to drive the vehicle")
14 elif age >= 17 and hadSim != "yes":
15     print("Sorry, you must having SIM first")
16 else:
17     print("Sorry, you are not able to drive the vehicle")
18
19 '''
20 birthYear = int(input("What year you born in ? :"))
21
22 if (birthYear%2) == 0:
23     print("Even")
24 else:
25     print("Odd")
```

Terminal Output:

```
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/workSpace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice/practice1.py"
What year you born in ? :2003
Odd
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/workSpace/Materi Kuliah/Semester 2/Coding and Big Data/Week 6/Practice/practice1.py"
What year you born in ? :2004
Even
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 6\Practice>
```