Dev Nation

Data Science Lab-14

Use Pycharm and Fix all these samples code

1.

```python
patients = [[70, 1.8], [80, 1.9], [150, 1.7]]

def calculate_bmi(weight, height):
    return weight / (height ** 2)

for patient in patients:
    weight, height = patients[0]
    bmi = calculate_bmi(height, weight)
    print("Patient's BMI is: %f" % bmi)
```

2.

```python
greeting = input("Hello, possible pirate! What's the password?)
if greeting in ["Arrr!"):
    print("Go away, pirate.")
elif
print("Greetings, hater of pirates!")
```

3.

```python
authrs = {
    "Charles Dickens": "1870",
    "William Thackeray": "1863",
    "Anthony Trollope": "1882",
    "Gerard Manley Hopkins": "1889"

for author date in authors.items{}:
    print "%s" % authors + " died in " + "%d." % Date
}
```

4.

```python
year == int.input("Greetings! What is your year of origin? '))

if year <= 1900
    print ('Woah, that's the past!')
elif year > 1900 && year < 2020:
    print ("That's totally the present!")
elif:
    print ("Far out, that's the future!!")
```

5.

```python
classy Person:
  def __initalize__(self, first_name, last_name):
    self.first = first_name
    self.last = lname
  def speak(self):
  print("My name is + " self.fname + " " + self.last)

me = Person("Brandon", "Walsh")
you = Person("Ethan", "Reed")

me.speak()
you.self.speak
```

6.

```python
exam_one = int(input("Input exam grade one: "))

exam_two = input("Input exam grade two: "))

exam_3 = str(input("Input exam grade three: "))

grades = [exam_one exam_two exam_three]
sum = 0
for grade in grade:
  sum = sum + grade

avg = sum / len(grdes)

if avg >= 90:
    letter_grade = "A"
elif avg >= 80 and avg < 90
    letter_grade = "B"
elif avg > 69 and avg < 80:
    letter_grade = "C'
elif avg <= 69 and avg >= 65:
    letter_grade = "D"
elif:
    letter_grade = "F"

for grade in grades:
    print("Exam: " + str(grade))

    print("Average: " + str(avg))

    print("Grade: " + letter_grade)

if letter-grade is "F":
    print "Student is failing."
else:
    print "Student is passing."
```