AIAC LAB ASSIGNMENT 7.2

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Batch : 02

Subject : AI Assisted Coding

Task – 1

Task Description :

Syntax Error in Conditionals.

Prompt :

Detect the error in this code

int a = 10

if a = 10:

Print(“Equal”)

Code:

Gemini

```
a = 10
if a == 10:
  print("Equal")
```

Task – 2

Task Description :

Loop Off-By-One Error.

Prompt :

Detect the error in this code.

```
def sum_upto_n (n):
    total = 0
    for i in range(1,n):
        total += i
    return total
```

Code :

Gemini

```
def sum_upto_n (n) :
    total = 0
-   for i in range(1,n):
+   for i in range(1, n + 1):
        total += i
    return total
```

Task – 3

Task Description:

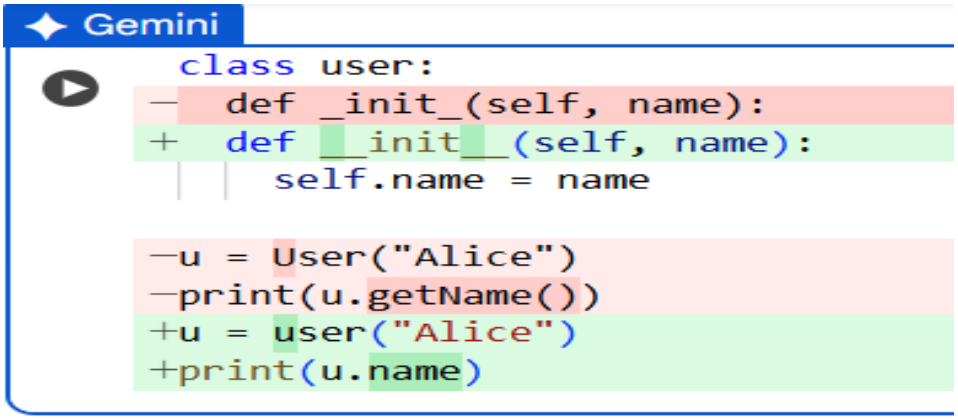
Error : AttributeError

Prompt :

Debug the Code

class user:
    def _init_(self, name):
        self.name = name
U = user(“Alice”)
Print(u.getName())

Code:



Task – 4

Task Description:

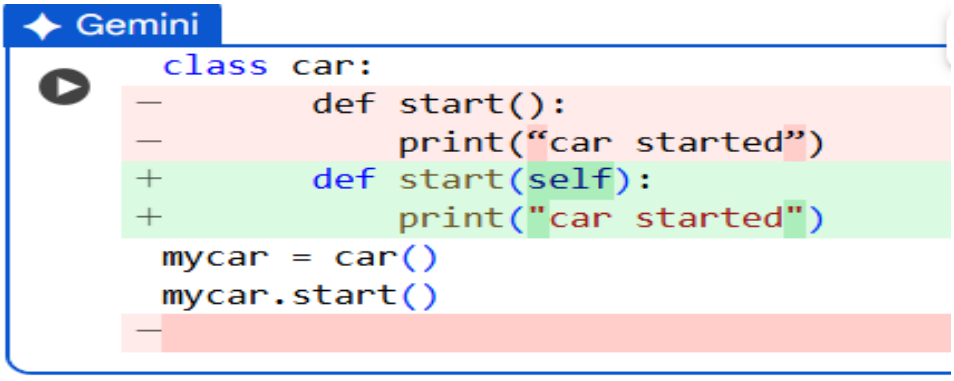
Incorrect Class Attribute Initialization

Prompt:
Debug the Code

class car:
    def start():

```
        print(“car started”)
mycar = car()
mycar.start()
```

Code:



Task – 5

Task Description:

Conditional Logic Error in Grading System

Prompt:

Debug the code

```
def grade_student(score):
    if score < 40 :
        return “A”
    elif score < 70:
        return “B”
    else:
        return “C”
```

Code:

Gemini

```
def grade_student(score):
    if score < 40 :
-               return “A”
+               return "A"
    elif score < 70:
-               return “B”
+               return "B"
    else:
-               return “C”
-
+               return "C"
```