

## AIAC LAB ASSIGNMENT 7.2

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Batch : 02

Subject : AI Assisted Coding

### Task – 1

#### Task Description :

Syntax Error in Conditionals.

#### Prompt :

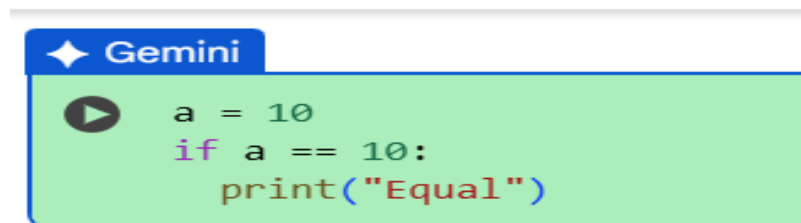
Detect the error in this code

```
int a = 10
```

```
if a = 10:
```

```
    Print("Equal")
```

#### Code:



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

## Task – 2

### Task Description :

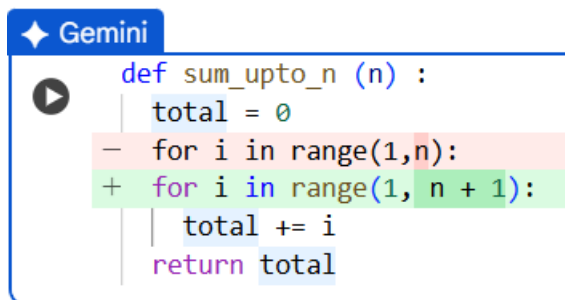
Loop Off-By-One Error.

### 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 :



The screenshot shows a code editor interface with a blue header bar containing a star icon and the word "Gemini". Below the header, there is a play button icon. The code is as follows:

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

The code is color-coded: "def" is blue, "sum\_upto\_n" is blue, "(n)" is blue, ":" is blue, "total" is blue, "=" is blue, "0" is blue, "for" is blue, "i" is blue, "in" is blue, "range" is blue, "1" is blue, "n" is blue, "total" is blue, "+=" is blue, "i" is blue, "return" is blue, and "total" is blue. The line "for i in range(1,n):" is highlighted with a red background, and the line "for i in range(1, n + 1):" is highlighted with a green background.

## Task – 3

### Task Description:

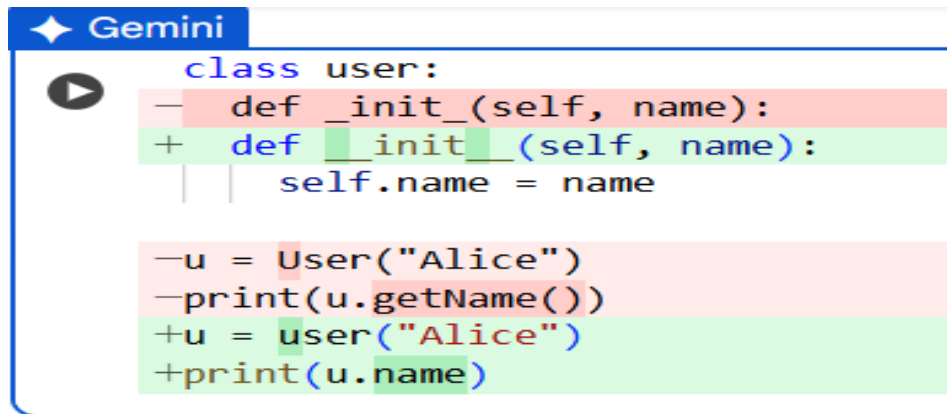
Error : AttributeError

### Prompt :

Debug the Code

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

**Code:**



```
class user:
    def _init_(self, name):
        self.name = name

u = User("Alice")
print(u.getName())

+u = user("Alice")
+print(u.name)
```

Task – 4

**Task Description:**

Incorrect Class Attribute Initialization

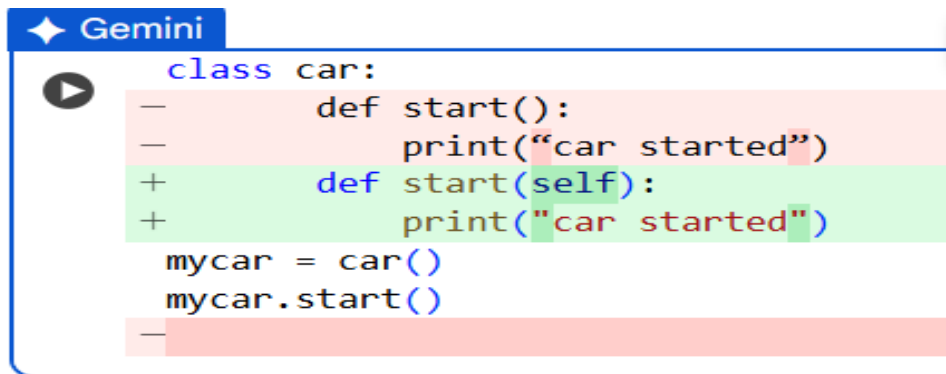
**Prompt:**

Debug the Code

```
class car:
    def start():
```

```
        print("car started")
mycar = car()
mycar.start()
```

## Code:



```
class car:
    def start():
        print("car started")
    def start(self):
        print("car started")
mycar = car()
mycar.start()
```

## 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"  
    elif score < 70:  
        return "B"  
    else:  
        return "C"
```