

## **REPORT**

### **Error code:**

```
print("Multiplication Table Generator")
```

```
num = int(input("Enter number: "))
```

```
i = 1
```

```
total = 0
```

```
while i <= 10:
```

```
    result = num * i
```

```
    print(num, "x", i, "=", result)
```

```
    if result % 2 == 0:
```

```
        print("Even result")
```

```
    else:
```

```
        print("Odd result")
```

```
    total = total + result
```

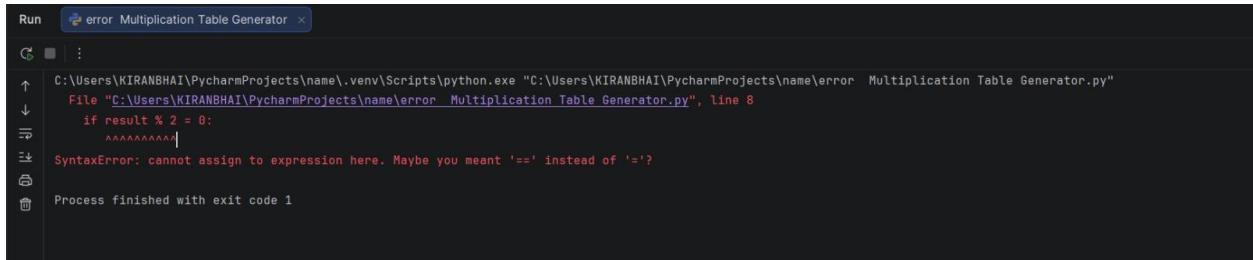
```
    i = i + 1
```

```
print("Sum of table:", total)
```

```
if total > 100 print("Large sum")
```

```
else:
```

```
    print("Small sum")
```



The screenshot shows a PyCharm interface with a dark theme. In the center, there's a code editor window titled "Run" and "error Multiplication Table Generator". The code contains a syntax error at line 8:

```
C:\Users\KIRANBHA\PycharmProjects\name\.venv\Scripts\python.exe "C:\Users\KIRANBHA\PycharmProjects\name\error_Multiplication Table Generator.py"
File "C:\Users\KIRANBHA\PycharmProjects\name\error_Multiplication Table Generator.py", line 8
    if result % 2 = 0:
        ^^^^^^^^|
SyntaxError: cannot assign to expression here. Maybe you meant '==' instead of '='?
Process finished with exit code 1
```

## List of Errors

### 1) Improper Indentation inside while loop

Statements inside the `while i <= 10:` loop are not properly indented, causing an Indentation Error.

### 2) Incorrect Comparison Operator

Used `=` instead of `==` in `if result % 2 = 0:` which causes a Syntax Error.

### 3) Improper If Statement Format

The statement `if total > 100 print("Large sum")` is written without a colon and proper structure.

### 4) Missing Closing Parenthesis

The line `print("Sum of table:", total` is missing a closing `)` which causes a Syntax Error.

### 5) Missing Colon (:)

The condition `if total > 100` does not have a colon at the end.

### 6) Incorrect Indentation of Final If-Else Block

The `print` statements under the final `if` and `else` are not properly indented.

## Correct code:

```
print("Multiplication Table Generator")
```

```
num = int(input("Enter number: "))
```

```
i = 1
```

```
total = 0
```

```
while i <= 10:
```

```
    result = num * i
```

```
    print(num, "x", i, "=", result)
```

```
    if result % 2 == 0:
```

```
        print("Even result")
```

```
    else:
```

```
        print("Odd result")
```

```
    total = total + result
```

```
    i = i + 1
```

```
print("Sum of table:", total)
```

```
if total > 100:
```

```
    print("Large sum")
```

```
else:
```

```
    print("Small sum")
```

```
  Multiplication Table Generator
↓ Enter number: 5
⇒ S x 1 = 5
⇒ Odd result
⇒ S x 2 = 10
⇒ Even result
⇒ S x 3 = 15
⇒ Odd result
⇒ S x 4 = 20
⇒ Even result
⇒ S x 5 = 25
⇒ Odd result
⇒ S x 6 = 30
⇒ Even result
⇒ S x 7 = 35
⇒ Odd result
⇒ S x 8 = 40
⇒ Even result
⇒ S x 9 = 45
⇒ Odd result
⇒ S x 10 = 50
⇒ Even result
Sum of table: 275
Large sum

Process finished with exit code 0
```

me > correction code of multiplication table generator.py 24:23 CRLF UTF-8 4 spaces Python 3.13 (name) ⌂