

ALA :- 1

I Describe Step By Step Bug Code Error How To Solve.

➤ Number Analysis Program

Error 1 :- while loop statement in “ : ” missing.

Description : The while statement must end with a colon. Without it, Python cannot understand where the loop block starts.

- Before :

```
while i < n
```

- After :

```
while i < n:
```

Error 2 :- If Condition In “ : ” Missing.

Description : Every if condition in Python must end with a colon. Missing it causes a syntax error.

- Before :

```
if num % 2 == 0
```

- After :

```
if num % 2 == 0:
```

Error 3 :- After Else “ : ” Missing.

Description : The else statement also requires a colon. Without it, Python cannot execute the code.

- Before :

```
else_
```

- After :

```
else:
```

Error 4 :- Else Statement in “ : ” Missing and Missing closing bracket “) “ in print statement

Description : The else statement for checking negative number is missing a colon, which causes a syntax error and The print("Negative" statement is missing a closing bracket, so Python cannot complete the statement.

- Before :

```
else_
    print("Negative"
```

- After :

```
else:
    print("Negative")
```