5. Take principal (P), Rate (R) & Time (T) as i/p from user & print the simple interest.

```
P = float(input("enter principal"))
R = float(input("enter rate:"))
T = float(input("enter time"))
SimpleInterest = P*R*T / 100
print(f"simple interest is {simpleinterest}")
```

Conditional Statements

Conditional statements are used to check the conditions in the programme & do display the result.

- used to make decisions based on conditions.

- if
- if else
- if else if ladder / continuous if else
- nested if else.

If

Syntax → if (condition):
    statements.

- executes a block of code if the condition is true.

If - else

syntax → if (condition):
    statements
else:
    statement.

else → executes if all conditions are false.

elif → check another condition if previous if false.

nested if → one if inside another.

if else if ladder

Syntax →

```
if (condition 1):
    statement of C1
else:
    if (condition 2):
        statement of C2
    else:
        if condition (3):
            statement of C3
        - - - .
        - - - .
        else:
            default stmt
```

```
if (condition 1):
    statement 1
elif (condition 2):
    stmt 2
elif (condition 3):
    stmt 3.
- - - .
else:
    stmt
```

Nested if else.

```
if (condition 1):
    if (condition 2):
        Stmt of C2
    else: stmt C2
else: stmt of outer if.
```