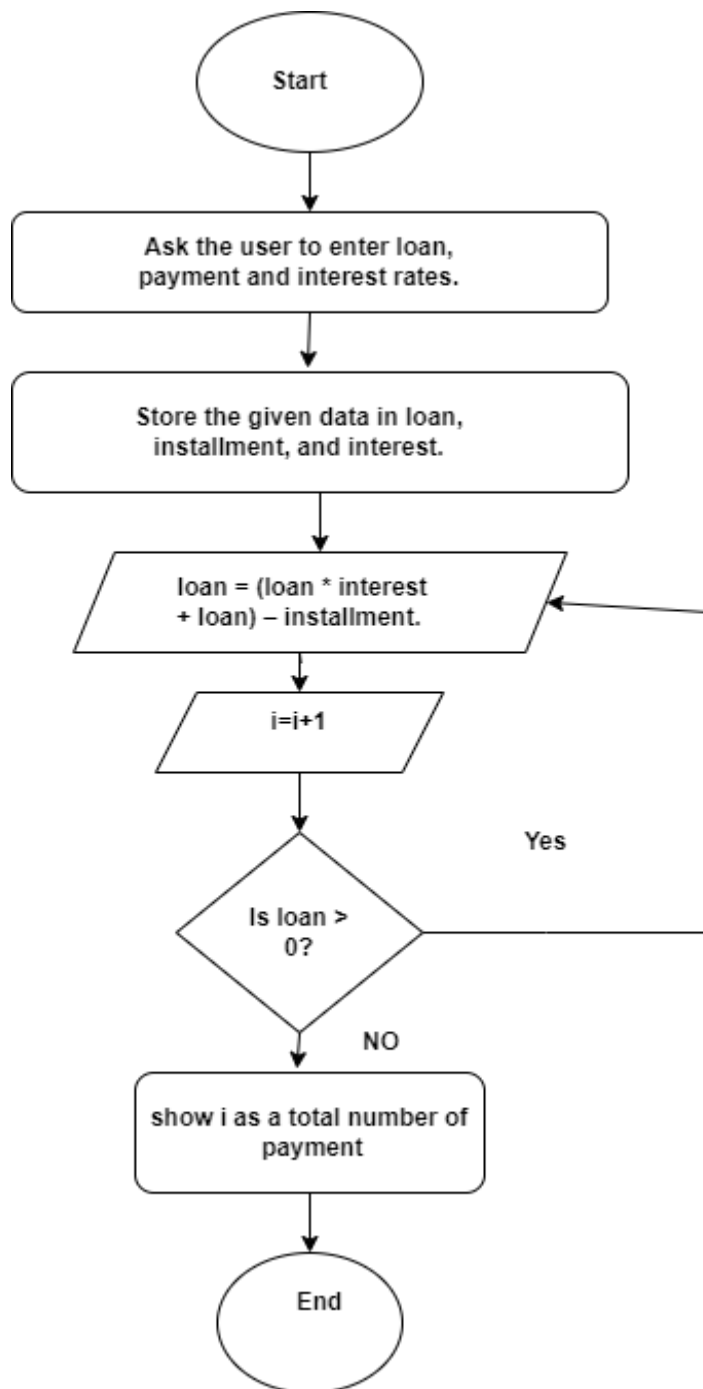Prakriti Gautam(bhn19)

MSP 1

Pseudo Code:

1.   **Start**

2.   **Ask the user to enter the loan, payment, and interest rates.**

3.   **Store the given data in loan, installment, and interest.**

4.   **loan = (loan * interest + loan) – installment.**

5.   **i=i+1**

6.   **Is loan > 0.**

- **if it is true - go to step 4**

- **if it is false - go to step 7**

7.   **show i as a total number of payment**

8.   **End**

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FLOWCHART

Start

Ask the user to enter loan,
payment and interest rates.

Store the given data in loan,
installment, and interest.

loan = (loan * interest
+ loan) – installment.

i=i+1

Is loan >
0?

Yes

NO

show i as a total number of
payment

End

Prakriti Gautam(bhn19)

(C++)

```cpp
#include <iostream>
using namespace std;

int main() {
    double loan, installment, interest;
    cin >> loan;
    cin >> installment;
    cin >> interest;

    int i = 0;

    while (loan>0){
      loan = (loan * interest + loan) - installment;
      i=i+1;
    }

    cout << i;
    if (i==1){
      cout << " payment" << endl;
    }

    else {
      cout << " payments" << endl;
    }
  return 0;
}
```