**1 Employee Salary Increment A company gives a 5% yearly increment to an employee's salary. Write a while loop to calculate the employee's salary for the next 10 years starting from ₹50,000.**

```
sal=50000

i=0

while i<10:

  sal += sal/100*5

  i+=1

print(f'salary after 10 years is = {sal:.2f}')
```

**2 Class Attendance Percentage A student attended 18 out of 25 classes. Write a while loop to calculate and display the attendance percentage for each class attended (like running count).**

```
total_classes = 25

attended_classes = 18

i=1

while i<19:

  percentage = (i/total_classes)*100

  print(f"After attending {i} classes: {percentage:.2f}")

  i+=1
```

**3 Product Discount Prices A store applies a 10% discount on all products. Given a list of original prices [100, 250, 400, 560, 700], use a while loop to calculate and print the discounted prices.**

```
prices=[100, 250, 400, 560, 700]

i=0

while i<len(prices):

  fprice = prices[i] - prices[i]/100*10

  print(f"Original : {prices[i]}, Discounted: {fprice}")

  i+=1
```

**4 Monthly Savings Growth A person saves ₹1,000 every month. Write a while loop to calculate and display the total savings at the end of each month for 12 months.**

```
i=0

save=0

while i<12:

  save += 1000

  print(f'After {i+1} month you have saved {save}')

  i+=1
```

**5 Electricity Bill Calculation The electricity cost is ₹5 per unit. If a household consumes [120, 135, 150, 160, 145] units over 5 months, use a while loop to calculate the bill for each month.**

```
units=[120, 135, 150, 160, 145]

i=0

while i < len(units):

  bill= units[i]*5

  print(f'In {i+1} month your bill is : {bill}')

  i+=1
```

**6 Student Marks Percentage A student scored marks in 5 subjects: [78, 85, 90, 66, 72]. Use a while loop to calculate the percentage (out of 150) for each subject.**

```
marks = [78,85,90,66,72]

i = 0

while i < len(marks):

  percentage = marks[i]/150*100

  print(f'In {i+1} subject your percentage is : {percentage:.2f}')

  i+=1
```