

Python For Loops – Solved Answers

1. Monthly Bill Tracker

```
bills = [1500, 2000, 3000]
total = 0

for bill in bills:
    print(bill)
    total += bill

print("Total:", total)
```

2. School Attendance

```
students = ["John", "Mary", "Alex"]

for student in students:
    print(student, "Present")
```

3. Salary Distribution

```
bonuses = {"John": 5000, "Mary": 6000}

for name, bonus in bonuses.items():
    print(name, "gets bonus", bonus)
```

4. Grade Report

```
scores = [85, 92, 76, 61]

for score in scores:
    if score >= 90:
        grade = "A"
    elif score >= 80:
        grade = "B"
    elif score >= 70:
        grade = "C"
    else:
        grade = "F"
    print(score, "Grade:", grade)
```

5. Book Availability

```
books = ["Python Basics", "Data Science"]
title = input("Enter book title: ")

for book in books:
    if book == title:
        print("Available")
        break
    else:
        print("Not Available")
```

6. Temperature Analysis

```
temp = [30, 32, 28, 35, 29]
highest = temp[0]
lowest = temp[0]

for temp in temps:
    if temp > highest:
        highest = temp
    if temp < lowest:
        lowest = temp

print("Highest:", highest)
print("Lowest:", lowest)
```

7. Inventory Management

```
inventory = {"Apples": 5, "Bananas": 20}

for item, qty in inventory.items():
    if qty < 10:
        print(item, "Low stock")
```

8. Flight Seat Booking

```
seats = [1, 2, 3, 4]
booked = [2, 4]

for seat in seats:
    if seat in booked:
        print(seat, "Booked")
    else:
        print(seat, "Available")
```

9. Savings Interest Calculator

```
balances = [5000, 5200, 5300]
total_interest = 0

for balance in balances:
    interest = balance * 0.0005
    total_interest += interest

print("Total Interest:", total_interest)
```

10. Customer Feedback Analyzer

```
comments = ["Great service", "Poor product"]

for comment in comments:
    if "service" in comment.lower():
        print(comment)
```