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Github link <https://github.com/NuzhatQureshi90/Pythons-lab-manual-IT-A-/upload/main>

LAB MANUAL 04

TASK 1:

Q.1. Basic Task: Write a program that checks if a given number is positive, negative, or zero.

Program:

```
l]: number = float(input("Enter a number: "))

if number > 0:
    print("The number is positive.")
elif number < 0:
    print("The number is negative.")
else:
    print("The number is zero.")
```

```
Enter a number: 5
The number is positive.
```

TASK 2:

Q.1. Intermediate Task: Write a program that takes user input and determines whether it's a even or odd.

Program:

```
: number = int(input("Enter a number: "))

if number % 2 == 0:
    print("The number is even.")
else:
    print("The number is odd.")
```

```
Enter a number: 7
The number is odd.
```

TASK 3:

Advanced Task: Create a program that asks user to print:

"Excellent" if marks are above 80

"Good" if marks are between 60 and 80

"Needs Improvement" if marks are below 60

Program:

```
] : marks = float(input("Enter your marks: "))

if marks > 80:
    print("Excellent")
elif 60 <= marks <= 80:
    print("Good")
else:
    print("Needs Improvement")
```

Enter your marks: 70

Good

