CODE FOR THE CHAMPIONS

BEST TOP 40 CODES FOR INTERVIEW

T20 SMACKDOWN 2022, THE OVAL, JGEC CAMPUS. THE STADIUM IS ALIVE WITH ENERGY, PACKED WITH FANS OF BOTH TEAMS -PYTHON AND SQL-CHEERING PASSIONATELY. THE RIVALRY BETWEEN THESE TWO TEAMS HAS GROWN LEGENDARY, AND EVERYONE KNOWS THAT THIS MATCH WILL BE ONE FOR THE JGEC HISTORY.
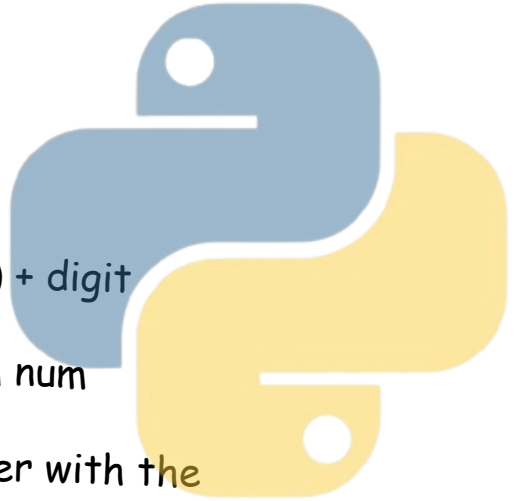
THE SHOWDOWN

PALINDROME NUMBER

```python
def is_palindrome(num):
# Store the original number to compare later
    original = num
    reverse = 0

# Reverse the number
    while num > 0:
# Get the last digit
        digit = num % 10
        reverse = (reverse * 10) + digit
        num = num // 10
# Remove the last digit from num

# Compare the original number with the
reversed number
    if original_num == reversed_num:
        return True
    else:
        return False

# Test the function
num = int(input("Enter a number: "))

if is_palindrome(num):
    print(f"{num} is a palindrome.")
else:
    print(f"{num} is not a palindrome.")
```
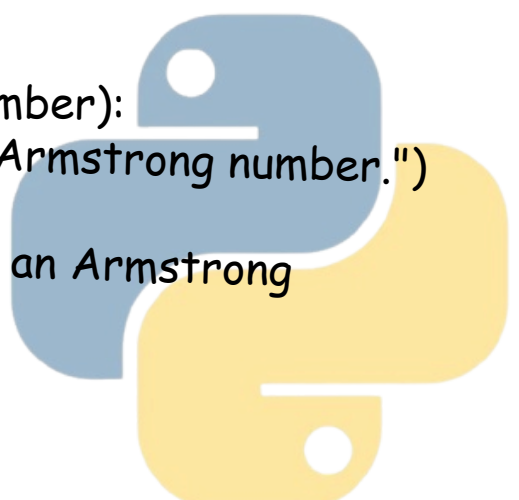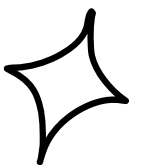
ARMSTRONG NUMBER

```python
def is_armstrong_number(number):
        digits = str(number)
# Convert the number to a string to easily
access each digit
        n = len(digits)
        sum_of_powers = sum(int(digit) ** n for
digit in digits)
# Sum of digits raised to the power of n
        return sum_of_powers == number

number = 153
if is_armstrong_number(number):
        print(f"{number} is an Armstrong number.")
else:
        print(f"{number} is not an Armstrong
number.")
```

THE SHOWDOWN

SECOND HIGHEST SALARY

```
SELECT MAX(salary)
FROM < table_name>
WHERE salary < (SELECT
MAX(salary) FROM
<table_name>);
```

DUPLICATE RECORDS

```
SELECT column_name, COUNT(*)
FROM table_name
GROUP BY column_name
HAVING COUNT(*) > 1;
```

THE CONCLUSION

As the players shake hands, both teams share a moment of respect. Python fought valiantly, but in the end, it was SQL's belief and calm under pressure that made the difference.

For Kohli's SQL, it's a hard-earned victory, and for Babar's Code, their fight with the bowl, though not enough, was inspiring.

Babar's Code(to his team, with a smile): This was more than just a content; it was a code to remember.

The readers erupts in applause. The rivalry between Python and SQL will go down as one of the greatest in JGEC history.