PARUCHURI KRANTIABHISHEK

QUICK LEARNER,INNOVATOR,CODING ENTHUSIASTIC

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EDUCATION

Degree	Institute	Score
B TECH CSE (2019-2023)	MVR COLLEGE OF ENGINEERING	8.05 CGPA
INTERMEDIATE(2019)	SRSVRGNR JR COLLEGE	9.94GPA
MATRICULATION(2017	ST MARY'S HIGH SCHOOL	10 GPA

SKILLS

→ JAVA ☆ ☆ ☆
→ SQL ☆ ☆ ☆
→ POWER BI ☆ ☆ ☆
→ PYTHON ☆ ☆ ☆
→ JAVASCRIPT ☆ ☆ ☆
→ COMMUNICATION ☆ ☆ ☆
→ HTML , CSS ☆ ☆

EXPERIENCE

KODNEST, BANGALORE — FULL STACK JAVA INTERN

JANUARY 20 - MAY

KodNest is an EDTech company whose mission has been to ensure to make Talent and Opportunities meet and we achieve this through our Software applications

AWARDS

→ QUALIFIED IN DAKSHINA BHARAT HINDI PRACHAR SABHA
→ SECURED THIRD IN DISTRICT LEVEL SPELL BEE COMPETITION

PROJECTS

SPAMMER DETECTION AND FAKE USER IDENTIFICATION – MAJOR PROJECT

In this paper, we perform a review of techniques used for detecting spammers on Twitter.(i) fake content, (ii) spam based on URL, (iii) spam in trending topics, and (iv) fake users.

HANDWRITTEN CHARACTER RECOGNITION USING NEURAL NETWORKS — MINOR PROJECT

The main aim of this project is to design expert system for,"HCR using Neural Network " that can e"ectively recognize a particular character of type format using the Artificial Neural Network approach.

LANGUAGES

→ ENGLISH
→ HINDI
→ TELUGU

P.KRANTI ABHISHEK

RESEARCH PAPER ON BITWISE COMPLEMENT AND LOGICAL NOT

TITLE:

Bitwise Complement and Logical NOT in Java

ABSTRACT:

This research paper explores the concepts of bitwise complement and logical NOT in Java programming.These operators are essential in manipulating binary data and Boolean values, respectively.The study contributes to a better understanding of these operators and their significance in Java programming.

BITWISE COMPLEMENT:

✧ The bitwise complement operator in Java, denoted as "~", is a unary operator that performs a bitwise inversion of the binary representation of a value.

✧ simply means the negation of each bit of the input value

$$\sim N = -(\sim(\sim N)+1) = -(N+1).$$

SYNTAX:

DATATYPE VARIABLE_NAME= ~VARIABLE_NAME

EX:

Int a=~8;

System,out,println(a); // -9

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RESEARCH PAPER ON BITWISE
COMPLEMENT AND LOGICAL NOT

NOT OPERATOR:

This operator is called as Logical **NOT** operator.It accepts single value as an input and returns the inverse of the same.

if the condition is true then the operator returns false i.e. the opposite of true and vice versa.

Ex:

```
boolean a, result;
 a = true;
 result = !a;
 System.out.println("!" + a + "  = " + result);//false
```

NOTE: It's important to note that the logical NOT operator has higher precedence than other logical operators, such as AND (**&&**) and OR (||).

QUESTION:

WHAT WE USE WHEN WE HAVE NUMBER RANGE MORE THAN LONG DATA TYPE ?

BIG INTEGER CLASS:\

- **BIg Integer class is the solution for this problem.**
- In Java, when the number range exceeds the capacity of the **long** data type, you can use the **java.math.BigInteger** class.
- BigInteger allows you to handle large numbers efficiently in Java without worrying about the limitations of fixed-size data types like long.

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RESEARCH PAPER ON BITWISE COMPLEMENT AND LOGICAL NOT

EX:

BigInteger bd = new BigInteger("92233720368547758020123312321");

System.out.println(bd.multiply(new BigInteger("15")));

System.out.println(bd);

// BigInteger is a class and bd created is a object

Creation of big intergers using BIgInteger class

QUESTION:

WHAT IS THE RANGE OF FLOAT AND DOUBLE DATA TYPES IN JAVA?

RANGE:

In Java, the **float** and **double** data types represent floating-point numbers with different ranges and precision.

Float data type-Single Precision

Double Data type-Double Precision

float Data Type:

Maximum positive value: 3.4028235E+38
Minimum positive value: 1.4E-45
Maximum negative value: -3.4028235E+38
Minimum negative value: -1.4E-45

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RESEARCH PAPER ON BITWISE COMPLEMENT AND LOGICAL NOT

double Data Type:

Maximum positive value: 1.7976931348623157E+308

Minimum positive value: 4.9E-324

Maximum negative value: -1.7976931348623157E+308

Minimum negative value: -4.9E-324

CONCLUSION:

✧ bitwise complement simply means the negation of each bit of the input value

✧ Logical **NOT** operator:: It's important to note that the logical NOT operator has higher precedence than other logical operators, such as AND (**&&**) and OR (**||**).

✧ In Java, when the number range exceeds the capacity of the **long** data type, you can use the **java.math.BigInteger** class.

Float data type-Single Precision

Double Data type-Double Precision

THANKING YOU SIR,

PLEASE DO TAKE CARE OF YOUR SELVES,PLEASE DO TAKE CARE OF YOUR FAMILIES ,HAPPY CODING ,KEEP SMILING………………………...!