TRIPURA PAVANI PERNI

Name: Tripura Pavani Perni

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CAREER OBJECTIVE:

To associate in well-reputed organization ,where I can improve my skills along with the organization.

ACADEMIC QUALIFICATION:

QUALIFICATION	INSTITUTION	UNIVERSITY/ BOARD	YEAR OF PASSING	PERCENTAGE /CGPA
B.Tech(E.C.E)	V.K.R V.N.B & A.G.K college of engineering Gudivada.	JNTUK KAKINADA	2023	7.14
Intermediate	V.R Junior college Mudinepalli.	Board of Intermediate Education	2019	9.71
SSC	Z.P.H School Vinnakota.	Board of Secondary Education	2017	8.7

TECHNICAL SKILLS:

- Programming Languages: C, Python ,and Basics of Java

ACHIEVEMENTS:

- Received Mementos in Academics.
- Received Memento for active participation in Nandi Foundation .

CO-CURRICULAR ACTIVITIES:

- Took part in events held in V.K.R V.N.B &A.G.K College Of Engineering.
- Interested in making craft works.

ACADEMIC PARTICIPATION:

- Participated in Workshop on PCB Designing and Manufacturing.
- Participated in Quiz Program conducted by our college.

STRENGTHS:

- Dedication towards work.
- Hard work
- Punctual in duties.
- Self-motivated.

PERSONAL DETAILS:

- **Name** **:** Tripura Pavani Perni
- **Father's Name** **:** Venkateswararao Perni.
- **Date Of Birth** **:** 09-01-2002.
- **Marital Status** **:** Single.
- **Nationality** **:** Indian.
- **Languages Known :** Telugu, English.

DECLARATION:

I hereby declared that the particulars given above are true to the best of my Knowledge.

Place:

Date: Yours obediently

BITWISE OPERATORS

- Bitwise operators are characters that represent actions to be performed on single bits.
- They operate at the binary level and perform operations on bit patterns that involve the manipulation of individual bits.
- There are 7 types
    1. Bitwise OR(|)
    2. Bitwise AND(&)
    3. Bitwise XOR(^)
    4. Bitwise complement(~)
    5. Bitwise shift left(<<)
    6. Bitwise shift right(>>)
    7. Bitwise shift right zero fill(>>>)

1.Bitwise OR(|):

- If both bits are' 0', the result of that bit is '0' otherwise ,the result is '1'.

Ex: 12=00001100
25=00011001
29=00011101

2.Bitwise AND(&):

- If both bits are' 1',the result of that bit is '1' otherwise ,the result is '0'.

Ex: 12=00001100
25=00011001
8=00001000

3.Bitwise XOR(^):

- If both bits are' 0',or both bits are '1' the result is '0'.

Ex: 12=00001100
25=00011001
00010101

4.Bitwise Complement(~):

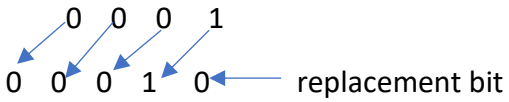
- The bitwise complement operator is a unitary operator .It is denoted by '~'.
- It changes binary digits 1 to 0 and 0 to 1.

Ex: 12=00001100
11110011

5.Bitwise Left Shift (<<):

- The left shift operator shifts all bits towards the left by a certain number of specified bits. It is denoted by '<<'.

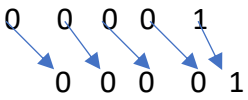
  Ex:



6.Bitwise Right Shift (>>):

- The right shift operator shifts all bits towards the right by a certain number of specified bits. It is denoted by '>>'.

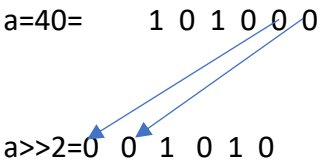
Ex:



7.Bitwise Unsigned Right Shift (>>>):

- Java also provides the unsigned right shift. It is denoted by '>>>'.
- Here, the vacant left most position is filled with 0 instead of the sign bit.

Ex:



Example Program:

```
class  Bit{
Public static void main(String[]args){
int a=3;
int b=9;
System.out.prinln("OR :" +(a|b));
System.out.println("AND :"+(a&b));
System.out.println("XOR :" +(a^b));
 System.out.prinln("NOT :"+(~a));
System.out.println("LEFT:" +(a<<3));
System.out.println("RIGHT :"+(b>>2));
System.out.println("RIGHT :"+(b>>>2));}
 }
```

Output: OR :11

AND :1

XOR :10

NOT :-4

LEFT :24

RIGHT :2

RIGHT :2