| * | Program 1 : | | | | | |
|--|--|--|--|--|--|--|
| and the same of th | 1) solve the following shifting operation | | | | | |
| and the same of th | on paper & shape that with your | | | | | |
| and the same of th | leader | | | | | |
| | | | | | | |
| Ŋ | num = 88 result = num <24; | | | | | |
| | 88 24 8 98 24 | | | | | |
| | -64 -16 -8 88 * 16 | | | | | |
| - 10 | 24 08 0 . 1408 | | | | | |
| | | | | | | |
| num 3 | 88 => \$60 | | | | | |
| | | | | | | |
| 0000 0 | 000 0000 0000 0000 0000 0000 0000 0000 0000 | | | | | |
| 0000 | A Metal and | | | | | |
| 00000 | 0000 0000 0000 0000 0000 010110 | | | | | |
| 0000 | The state of the s | | | | | |
| 70000 | 000 0000 0000 0000 0101 1000 0000 | | | | | |
| Ly+ve | 1024+256+128 | | | | | |
| | =1408 | | | | | |
| | | | | | | |
| 2] | num = -20 result = num 223 | | | | | |
| and an | 1) take 20 & convert into binney | | | | | |
| | 2) take i's complement of binary 20 | | | | | |
| | 3) finally add I into it | | | | | |
| 4) Perform shift 3 | | | | | | |
| - | | | | | | |

| 1 | | PAGE: |
|-----|-------|--|
| | | |
| | | $\frac{20 + \frac{1}{20 \times 8} = 160}{-20 \times 8} = 160$ |
| | - | $\frac{169421}{4}$ |
| Y | 0000 | 0000 0000 0000 0000 0000 0000 0000 |
| F. | 0.00 | 1'5 complement |
| | MII | 1 1111 1111 1111 1111 1110 1011 |
| 3 | - avc | add 1 |
| | 000 | 1000 0000 0000 0000 0000 0000 0000 |
| | | Q010 5111 1111 1111 1111 1110 0100 |
| 1 | -ve | |
| • | 700 | <u>→ - 20</u> |
| 1 | -ve | 7 -100 -760 |
| | | → 130 -160 |
| No. | * | Program 2 ° |
| | | Solve following shifting openation on papers |
| | - | shape that will your leader. |
| | 1) | 75 75 |
| - | | $num = 75$ result = $num 772$ $\frac{75}{242} = \frac{75}{4} = 18$. |
|) | | $\frac{75}{-64} - \frac{11}{8} - \frac{2}{10}$ |
| 1 | 10000 | 0000 0000 0000 0000 0000 0000 0000 |
| | 10000 | 0000 0000 0000 0000 0000 0000 0000 |
| | | 124m 77.2 |
| | | 0000 0000 0000 0000 0000 0001 0010 |
| 4 | +ve | 18 |
| - | 1 | |

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| | 200 | | | | | |
|-----------|--|--|--|--|--|--|
| 07 | num = -38 result = num 774 24 16 | | | | | |
| 27 | 38 6 2 / = 2 | | | | | |
| | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | | |
| n 00 | 128643216 8 42 1 | | | | | |
| 0000 | 011001000000000000000000000000000000000 | | | | | |
| 0.000 | 15 Complement | | | | | |
| 1111 | 111 1111 1111 1111 1101 1001 | | | | | |
| | 1 add | | | | | |
| 1000 | 1000 0000 0000 0000 0000 0000 | | | | | |
| -000 | | | | | | |
| 7111 | 1111 1111 1111 1111 1101 1010 | | | | | |
| Ne. | -38 num 774 | | | | | |
| TILL | 1111 1111 1111 1111 1111 1111 1111 | | | | | |
| -ve => -3 | | | | | | |
| 1111 | Little Barrier Janes Janes Janes Brown Brown Barrier | | | | | |
| * | Program 3 6 | | | | | |
| 3 3 | combe a Juva program for following | | | | | |
| | operations & explain the error if any. | | | | | |
| | The state of the s | | | | | |
| , D | num = 188 regult = num 7774 | | | | | |
| 2) | num = 255 regult = num LLL3 | | | | | |
| 37 | hum = -108 result = num 777/23 | | | | | |
| 47 | num =-128 rout1 = NYM LL115 | | | | | |
| | | | | | | |
| | | | | | | |

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Program 4 % Sclue the following Expressions & waite explanation of each operation along with the ceder of precedence. FA Precedence &- (), [], ++ (post), -- (post) 1++(pre), -- (pre), + (unoey), -, 6,0, +1pe, X, 1,00, +,-, LL, 77, 777, L, L=, 717= instanceof int a = 25, b = - 34, CE19, d=4 128643216 8421 6000 0000 0000 0000 0000 0000 2570000 0000 0000 0000 0000 0000 0000 QLL9 10000 0000 0000 0000 0000 0000 M10 0100 *NC 9000 -24 000 0000 0000 0000 0000 0000 0000 00 0000,0000 0000 0000 0000 0000 0010 00 10434 1015 1015 1115 1111 1111 1110 1110 1111 1111 1111 1111 1111 1111 1111 1111 (111-111) 1111

| J. 77 | |
|-----------|--|
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| | 100 |
| 0000 | 0000 0000 0000 0000 0000 0110 0100 |
| 1 | |
| 9 | -5 |
| 1111 | 1111 1111 1111 1111 1111 6011 |
| \$ 111 | 1111 1111 1111 1111 1111 1111 |
| | 80=-1 |
| | |
| 2 | 80 = ((a2221 b773) <-10)11 ((c++228 b1114) |
| | 13.76 & 2 · 3-3 |
| 5 | -1 4-10 767=23 |
| J. | (false) 11 (Taye) |
| 4 | (Tzue) |
| 36 | C= 19 20 b= [-34] d= [4] |
| | 20 -305 |
| 0000 | 0000 0000 0000 0000 0000 0000 |
| 19=> | 000000000000000000000000000000000000000 |
| € | |
| 00000 | 000 0000 0000 0000 0000 0100 1100 = 76 |
| -34 | 76 |
| 1111 | 1111 1111 1111 1111 1101 1110 |
| 1 | 4 Shift |
| 0000 | |
| 1 | ()1(: 1)11 1111 1111 1111 |
| | |
| | |

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| San Marie | | | | | |
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| · · · · · | | | | PAGE: DATE: / | I. |
| | | | and a contraction of the contrac | | |
| | 6 12 | 90 | | 618016 | 100 |
| 0000 | 0000 0000 | 0000 | 0 000 0 | (76) 1 | |
| 0000 | | 11.1 1 | 11111 | 11111111 | 101 |
| 0000 | 0000 0000 | 0000 | 00000 | 00601061 | 100 |
| | | | 7 | 6 | |
| | | | | | |
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| | | <u> </u> | 12. | S | |
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