

14/10/24 Graded Lab-II

Set B (1PM-2PM)

ADYA SINGHAL

Q.1. Write a Program to convert the binary number into a decimal number using function. [40 marks]

Input: Enter the binary number: 1011

Output: Equivalent decimal number is: 11

Q.2. Write a C program to print Hollow inverted full pyramid. [30 marks]

Input: Enter the number of rows: 5

Output:

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 *   *
 * * *
 *  * 
 *   *

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Handwritten notes for Q.2 output:

- $n=4$
- $n=2$
- $n=2$
- $n=2$
- $n=2$

num = 4

num = 6

$q = 2n - 1$

9-4
9-6
9-

Handwritten notes for Q.2 output:

- $(-1)^n$
- $5-j+1$
- $5-2(0)$
- $5-2(1)$
- $5-2(2)$

Handwritten notes for Q.2 output:

- $5-j+1$
- $5-2(0)$
- $5-2(1)$
- $5-2(2)$

$(2n-1) - (2(i+1)+2)$

$2n-1 - (2(i+2)+2)$

$i=0; i<$

5-0
5-2=3
5-4=1
5-6=1

$10-2i-2$

4+4

4+1
4-1
4-3

4-i+1
4-1
4-3

4-2i+1
4-0+1
4-2+1
4-4+1

$2(n-i)$

$2n-2i-5$

$10-5$

$10-5$

$10-5$