SUB-TASK 3

IPO CHART

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| --- | --- | --- |
| INPUT | PROCESSING | OUTPUT |
| -Select conversion type (1 for decimal to binary, 2 for binary to decimal)  -Enter a decimal number (if converting to binary)  -Enter a binary number (if converting to decimal) | -If choice is decimal to binary: convert decimal number to binary number using division by 2 methods  -If the choice is binary to decimal: convert binary to decimal using positional value method | -Display binary equivalent (for decimal to binary conversion)  -Display the decimal equivalent (for binary to decimal conversion)  End program |

Flow chart

Get user choice (1 or 2)

Input Decimal Number

Input Binary Number

Convert to Decimal (Positional Value method)

Convert to binary (Divide by 2 method)

Display decimal results

Display binary results

Display menu:

1 Decimal to Binary

2 Binary to Decimal