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/\* Lab 3 Question 5 \*/

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/\* This Program employs a do-while function \*/

/\* in order to display square and cube of number \*/

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#include<stdio.h>

int main()

{

//Declaration

int i, num;

//Data/Input

printf("Enter the value of n : ");

scanf("%d", &num);

printf("\n -------------------------------------------------");

i = 1;

//Processing/Calculation

do

{

printf("\n | \t %d \t | \t %d \t | \t %d \t |", i, (i\*i), (i\*i\*i));

i++;

}

while (i <= num);

printf("\n -------------------------------------------------");

return 0;

}

//Output

//

//Test Run 1

//

//Enter the value of n : 5

//

//-------------------------------------------------

//| 1 | 1 | 1 |

//| 2 | 4 | 8 |

//| 3 | 9 | 27 |

//| 4 | 16 | 64 |

//| 5 | 25 | 125 |

//-------------------------------------------------

//

//Test Run 2

//

//Enter the value of n : 2

//

// -------------------------------------------------

// | 1 | 1 | 1 |

// | 2 | 4 | 8 |

// -------------------------------------------------

//

//Test Run 3

//

//Enter the value of n : 4

//

// -------------------------------------------------

// | 1 | 1 | 1 |

// | 2 | 4 | 8 |

// | 3 | 9 | 27 |

// | 4 | 16 | 64 |

// -------------------------------------------------