**Microprocessor and Computer Architecture**

**UE21CS251B**

**4th Semester, Academic Year 2021-22**

Date:16/02/23

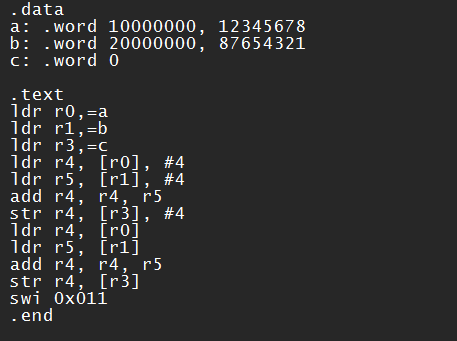
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| --- | --- | --- |
| Name: Atharva Menkudle | SRN: PES2UG21CS104 | Section: B |

Week#\_\_\_\_4\_\_\_\_\_\_ Program Number: \_\_\_\_1\_\_\_

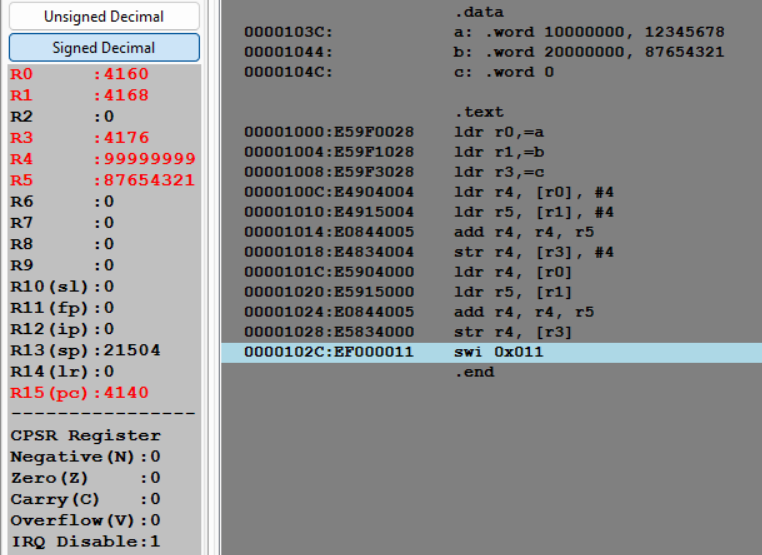
Title of the Program

1. **Write an ALP to add two 64 bit numbers loaded from memory and store the result in memory.**

**Code:**

****

**Output:**

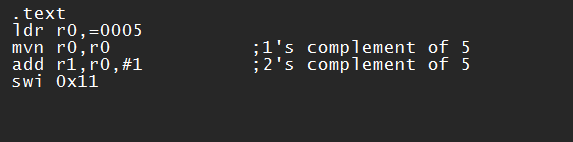
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Week#\_\_\_\_3\_\_\_\_\_\_\_ Program Number: \_\_\_\_2\_\_\_

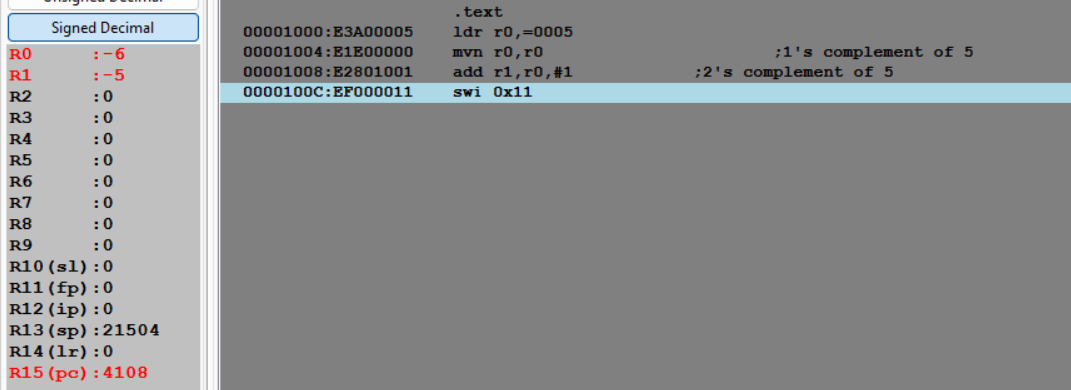
Title of the Program

1. **Write an ALP to find 1’s and 2’s complement of a 32 bit number**

**Code:**

****

**Output:**

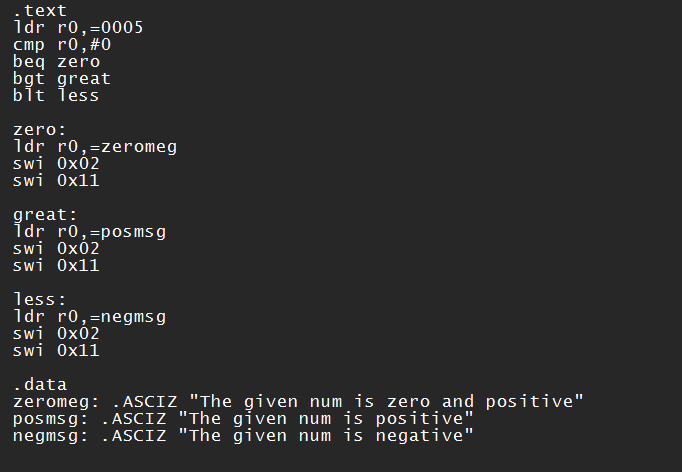
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Week#\_\_\_\_4\_\_\_\_\_\_\_ Program Number: \_\_\_\_3\_\_\_

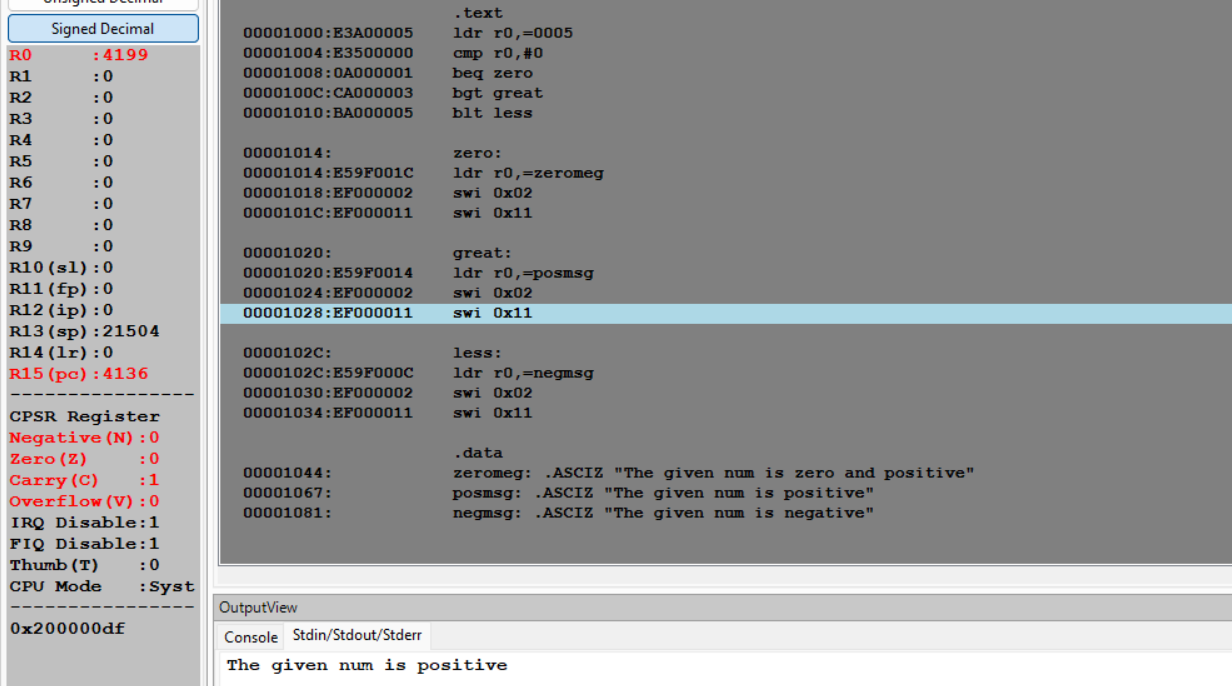
Title of the Program

1. **Write an ALP to scan a 32 bit number if it is negative or positive**

**Code:**

****

**Output:**

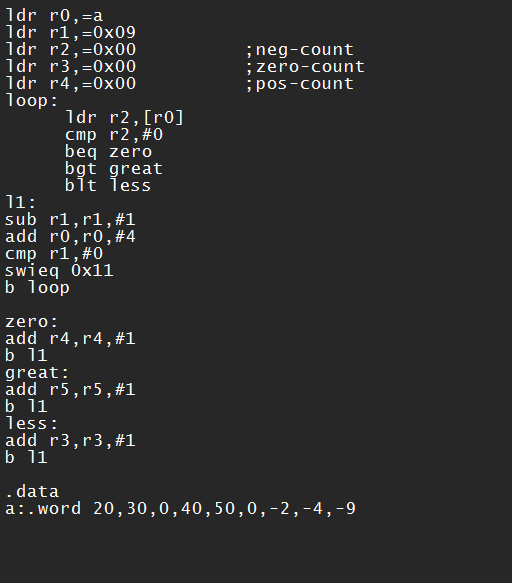
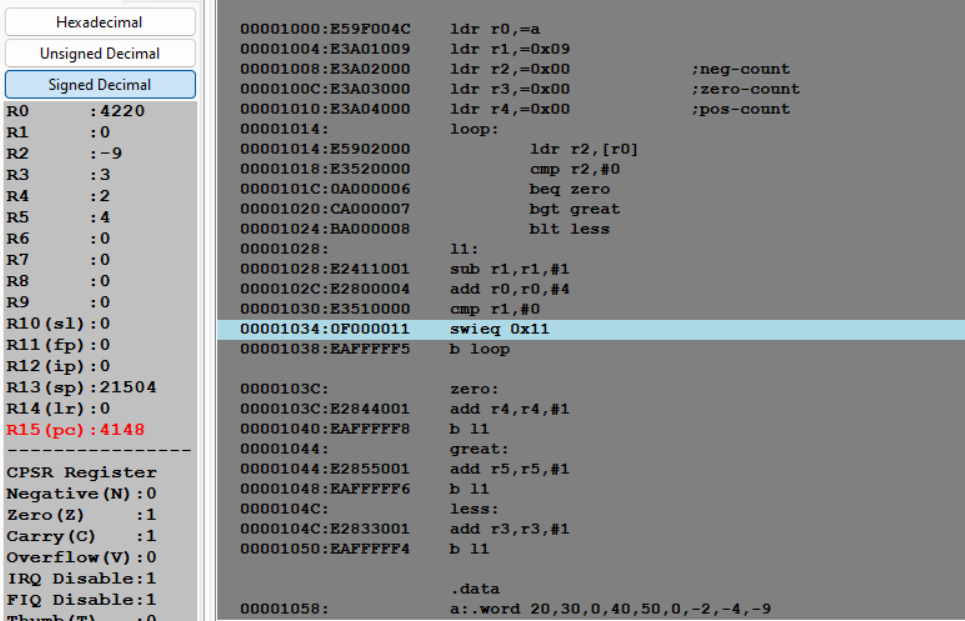
****

Week#\_\_\_\_4\_\_\_\_\_\_\_ Program Number: \_\_\_\_4\_\_\_

Title of the Program

1. **Write an ALP to find the number of zeroes, positive and negative numbers in a given array**

**Code:**

****

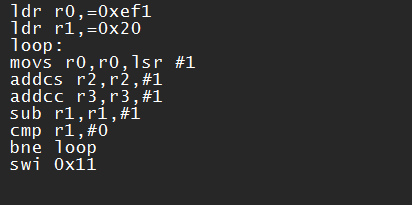
**Output:**

Week#\_\_\_\_4\_\_\_\_\_\_\_ Program Number: \_\_\_\_5\_\_

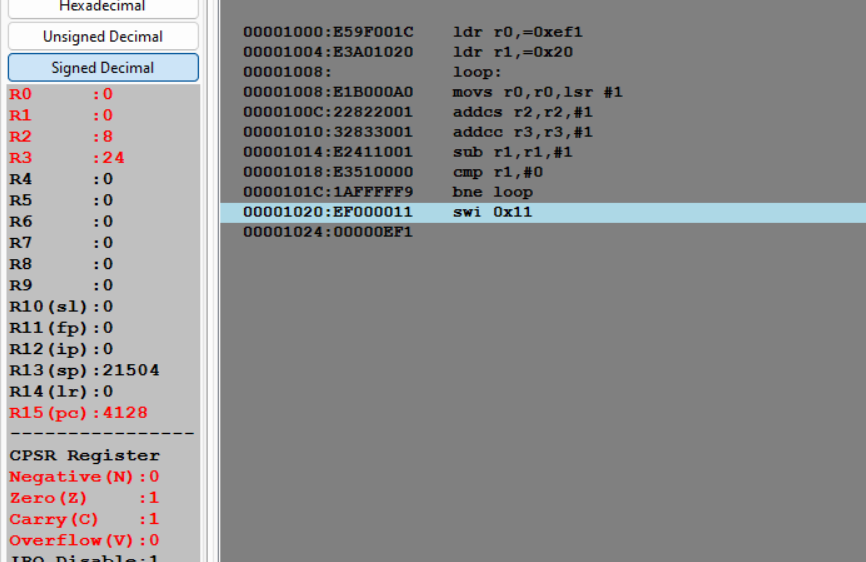
Title of the Program

1. **Write an ALP to count the number of 1’s and 0’s in a given 32 bit number.\**

**Code:**

****

**Output:**

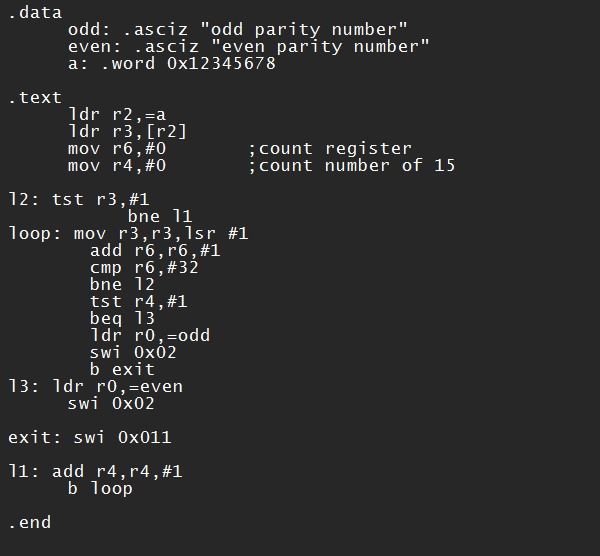
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Week#\_\_\_\_4\_\_\_\_\_\_\_ Program Number: \_\_\_\_6\_\_\_

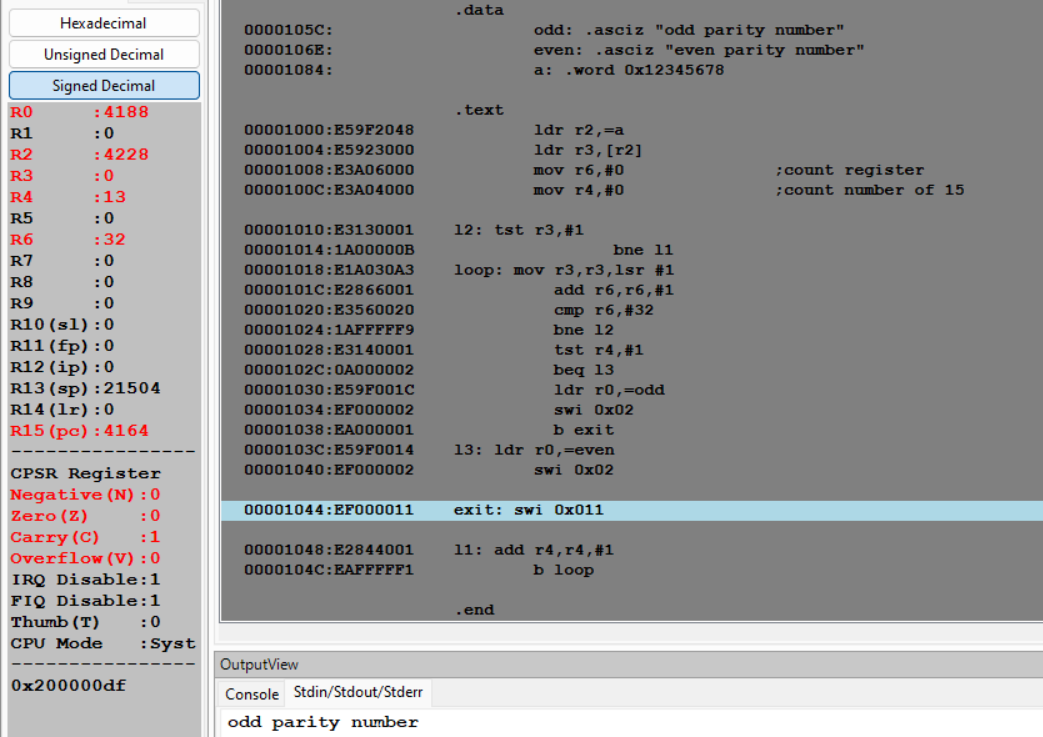
Title of the Program

1. **Write an ALP to check the given number has odd or even number of 1’s and display the result. (Even Parity and Odd Parity)**

**Code:**

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**Output:**

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