CS7381 Project 2 MIPS Assembly Code Programming Using MARS Tool

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In the previous project (Project 1), you were introduced to the MARS tool. For this project, you will use the MARS tool to develop and run a MIPS assembly language program. You will create and run MIPS assembly code for the following high-level language (HLL) code. I have provided both C++ and Python versions of the HLL code.

C++ Version

```
int j = 10;
int x = 1;
do
{
    x = x + 3*j;
    cout << x << " ";
    j--;
} while (j > 0);
cout << endl;</pre>
```

Java Version

```
j = 10
x = 1
while True:
    x = x + 3 * j
    print(x, end = " ")
    j -= 1
    if (j == 0):
        break
```

Screen shot of the MARS console



