

# COL216 Assignment 3

## Testing Report

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- **Case-1:** Assigning Values to \$zero register

```
Current Instruction : addi $zero, $zero, 5

$zero can not be set
terminate called after throwing an instance of 'std::exception'
```

- **Case-2:** Using non existent registers in instruction set

```
=====
Current Instruction : addi $s1, $s11, 4

INVALID REGISTER DETECTED!! : $s11
terminate called after throwing an instance of 'std::exception'
```

- **Case-3:** Using invalid syntax in the Instruction set

```
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Current Instruction : addi $s2, $s2
terminate called after throwing an instance of 'std::invalid_argument'
```

- **Case-4:** Use of invalid instructions

```
Current Instruction :      lw5 $s0, 1($s0)

INVALID INSTRUCTION DETECTED!! lw5
terminate called after throwing an instance of 'std::exception'
```

- **Case-5:** Use of Invalid Branch in Branch Instructions

```
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Current Instruction : j F

INVALID Branch Detected!! : F
terminate called after throwing an instance of 'std::exception'
```