

Computer Organisation

Lab - 6

Team Members

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Testing on

All .asm,. out, stats files are located in /lab5/objectfiles

Main Memory Latency = 40 cycles

even-odd.asm

```
1. Number of instructions executed = 5
2. Number of cycles taken = 208
3. Number of data hazard stalls = 0
4. Number of branch hazard stalls = 0
```

prime.asm

```
1. Number of instructions executed = 640
2. Number of cycles taken = 25688
3. Number of data hazard stalls = 0
4. Number of branch hazard stalls = 80
```

fibonacci.asm

```
1. Number of instructions executed = 87
2. Number of cycles taken = 3539
3. Number of data hazard stalls = 0
4. Number of branch hazard stalls = 11
```

palindrome.asm

```
1. Number of instructions executed = 47
2. Number of cycles taken = 1895
3. Number of data hazard stalls = 0
4. Number of branch hazard stalls = 7
```

descending.asm

1. Number of instructions executed = 340
2. Number of cycles taken = 14010
3. Number of data hazard stalls = 0
4. Number of branch hazard stalls = 78