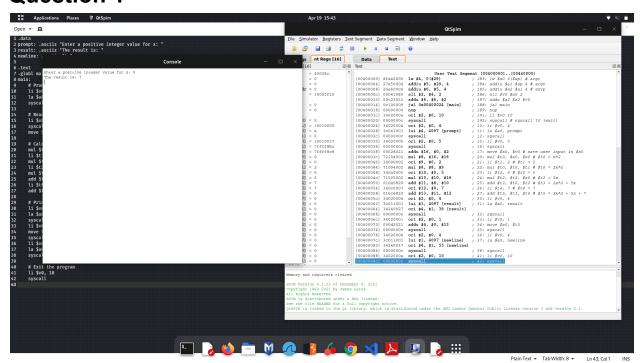
CS 211

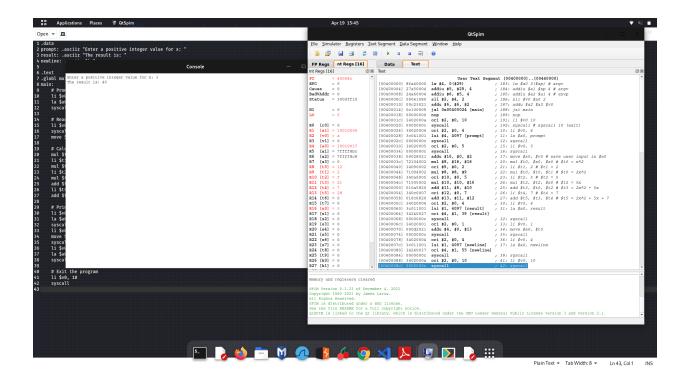
End Sem Exam

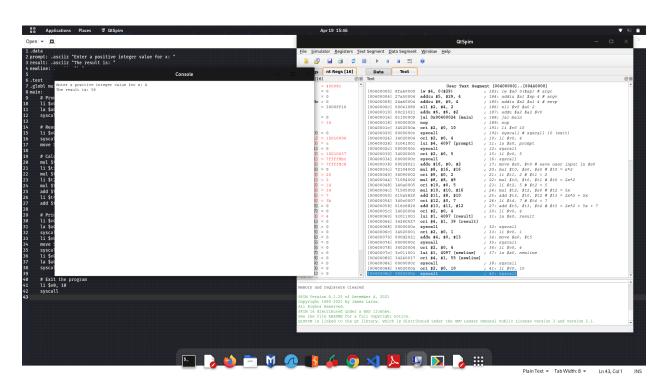
Name – Gautam Kumar Mahar Roll No. – 2103114 Branch – Computer Science Engineering

Question

Question 1-







Question 2 -

All parts -

```
Q21_2cpp - Endsem Exam - Visual Studio Code

Run Terminal Help

G q21_2cpp  G q2main.cpp  G q21_2cpp  X  E q2s

G q21_2cpp  S main()

G q21_2cpp  S main()

G q21_2cpp  S main()

FROBLEMS OUTPUT DEBUGCONSOLE TERMINAL

(gautamop@ gautamop) - [-/Desktop/Endsem Exam]

G ("hhome/gautamop) Desktop/Endsem Exam/" && g++ q21_2.cpp -o q21_2 && "/home/gautamop/Desktop/Endsem Exam/"q21_2

Verification for part (A):
Always taken predictor accuracy: 75%
Always taken predictor accuracy: 25%
One-bit predictor accuracy: 80%

Verification for part (B):
Always taken predictor accuracy: 40%
One-bit predictor accuracy: 80%

Verification for part (C):
Two-bit predictor accuracy (starting state = 0): 40%
Two-bit predictor accuracy (starting state = 2): 80%
Two-bit predictor accuracy (starting state = 3): 60%
Order of decreasing accuracy for two-bit predictor starting from all possible states: 75% 50% 25% 0%

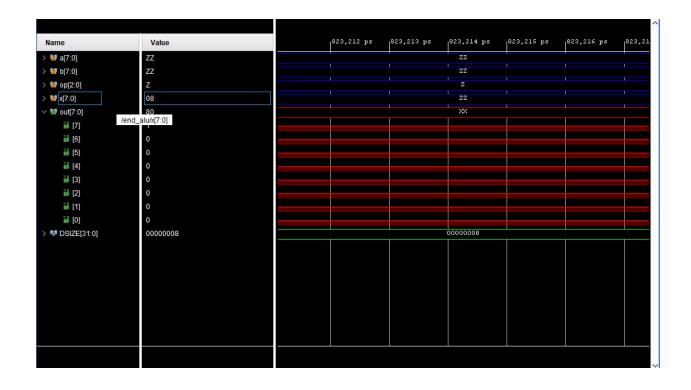
(gautamop@ gautamop) - [-/Desktop/Endsem Exam]
```

Question 3 -

Input X = 4

And then count = $2X^2$ (X power 2)

Output = 32



Thank You