

Sujit Molleti -- SOLUTIONS TO MIDTERM REVIEW CS111 S2020

1. 5

10.0

5.32

this runs

2.

No

Yes -- c = "helloa"

Yes -- y = 6.0

No

No

Yes -- t = "21"

Yes -- o = 21

Yes -- v = '4'

No

3. NFL Playoffs pseudocode

READ wins

READ conference

IF wins > 9

 IF conference is equal to AFC

 IF wins < 12

 DISPLAY "team is a wildcard team"

 ENDIF

 IF wins > 13

 DISPLAY "team has a bye week"

 ENDIF

 ELSE

 IF wins < 10

 DISPLAY "team is a wildcard team"

 ENDIF

 IF wins > 12

 DISPLAY "team has a bye week"

 ENDIF

ELSE

 DISPLAY "team has not made the playoffs"

ENDIF

4. Straight Flush

```
READ Card1
READ Card2
READ Card3
READ Card4
READ Card5
```

```
Set i to 1
Set isFlush to true
WHILE i < 5
    Set nextCard to Card i+1
    IF Card i suit not equal to nextCard suit
        SET isFlush to false
    ENDIF
    IF Card i value not equal to nextCard value minus 1
        SET isFlush to false;
    ENDIF
    SET i to i+1
ENDWHILE

DISPLAY isFlush
```