

CIS 300: Computer Information Systems

Homework Assignment 1 (Formulas)

Part 1:

- (a) 26
- (b) Nope
- (c) False
- (d) True
- (e) 6
- (f) True
- (g) 18
- (h) 86
- (i) 44
- (j) fun
- (k) D5

Part 2:

- (a) Excel
- (b) yes
- (c) 7
- (d) 3
- (e) 9

Part 3:

- (a) =(D5>=18)
- (b) =(D6<=55)
- (c) =(D4<=23)
- (d) =AND(D4<25,D6<25)
- (e) =AND(D4>=19,D4<=23)
- (f) =OR(D4>21,D5>21,D6>21)
- (g) =AND(D4<=65,D5<=65,D6<=65)

Part 4:

- (a) =IF(F7<10,"Buy","")
- (b) = IF(D7>C7,"Buy",IF(D7<C7,"Sell",""))
- (c) = IF(AND(D7>C7,C7>B7,F7<10),"Buy",IF(AND(B7>C7,C7>D7),"Sell",""))
- (d) =IF(OR(AND((C7*1.2)<D7,(B7*1.3)<D7),F7<8),"Buy",IF(OR((C7*.8)>D7,F7>20),"Sell","Hold"))

Part 5:

- (a) =MIN(B3:B17)
- (b) =MAX(B3:B17)
- (c) =SUM(B3:B17)
- (d) =ROUND(SUM(B3:B17),0)

Part 6:

- (a) =IF(D5>90,10000,0)
- (b) =IF(AND(D5<90,C5>85),7000,0)
- (c) =IF(AND(B5>85,C5>85),6000,0)
- (d) =IF(OR(AND(B5>90,C5>90),AND(B5>90,D5>90),AND(C5>90,D5>90)),10000,0)
- (e) =IF(AND(B5>80, C5>80, D5>80, MAX(B5:D5)-MIN(B5:D5)<=5),5000,0) or
=IF(AND(B5>80,C5>80, D5>80, ABS(B5-C5)<=5, ABS(B5-D5) <= 5, ABS(C5-D5) <= 5),5000,0)

Part 7:

- (a) =D4/C4
- (b) =D4/B4
- (c) =D4*\$B\$14
- (d) = D4-G4
- (e) =SUM(B4:B11)
- (f) =AVERAGE(D4:D10)
= MAX(D4:D10)
= MIN(D4:D10)

Part 8:

- (a) =SUM(K4:K7) | or =SUM(B8:J8)
- (b) =SUM(K10:K17) or =SUM(B18:J18)
- (c) =SUM(B20:J20) or =K8-K18
- (d) =MAX(B18:J18)
- (e) =MIN(B18:J18)