Excel Class-2

Agenda:

- Lookup Function

Dataset used for the class:

Theory: ⊠ Class 2 theory.xlsx

IPI data-2: ⊠ Lecture_2 Unworked.xlsx
Solutions: 🔲 Lecture 2 solutions

Question-1: Count the number of matches played in May 2008

Solution-1:
- Step-1: Extract the month
- Step-2: Extract the year
- Step-3: We can combine year and month
- Step-4: Using countif we count may 2008
- Step-5:
  =COUNTIFS($S$9:$S$824,2008,$R$9:$R$824,5)

Question-2:Count the number of 100s and 50s Scored by Sachin

Solution-2:
- Let's first convert text into number
- Step-1: Check if asterisk is present in data or not
  - IF(RIGHT(H16,1)="*",1,0)
- Step-2: COnverting asterisk into numerical value:
  - =IF(RIGHT(H16,1)="*",LEFT(H16,LEN(H16)-1)*1
  - ,H16)
- Step-3: Counting the number of 50s: =COUNTIFS($K$16:$K$478,">="&50)
- Step-4: if you want to exclude 100:
  - =COUNTIFS($K$16:$K$478,">="&50,$K$16:$K$478,"<"&100)

- COUNTIF to count score more than 50
- COunting score more than 100 - Homework

Question-3: Given the ID of the Match, return the name of the team which won the match

Solution: =VLOOKUP(F10,A14:Q830,11,0)

Question 4: Given the ID of the Match, return the name of the city and the venue.

Solution:
- City: VLOOKUP($F$10,$A$14:$Q$830,2,0)
- Venue: =VLOOKUP($F$10,$A$14:$Q$830,5,0)

Question-5: For any Match ID, whichever column is selected we want to have the column information.
- Step-1: Match: MATCH(G10,Table_4[#Headers],0)
- Final formula:=VLOOKUP(F10,A15:Q830,MATCH(G10,Table_4[#Headers],0),0)

Question-6: Find the first Match Id for which Sachin Tendulkar was the Player of the match?

Solution:
- Position of first player of the match by sachin: =MATCH(F30,D35:D851,0)
- Index match:
  =INDEX(A35:R851,MATCH(F30,D35:D851,0),MATCH(G30,Table_5[#Headers],0))

Question - 7: Consider the data given, what is the Number of centuries scored by V Sehwag

Solution:
- =HLOOKUP(Table_6[[#Headers],[V Sehwag]],Table_6[#All],3,0)

Question - 8: Calculate the Total bill amount of products

Question-9: Determine the first match ID and city of match for which Sachin Tendulkar was the player of the match.

Homework Question:

Consider the data for match with id 335982.Generate a summary of the match in the following format