Excel Class-2

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### Agenda:

* Lookup Function

### Dataset used for the class:

Theory:[Class 2 theory.xlsx](https://docs.google.com/spreadsheets/d/16sgtqqT2K2uFmJGhpndX0OltaRE4Nj84/edit?usp=sharing&ouid=107681937864127182413&rtpof=true&sd=true)

IPl data-2: [Lecture\_2 Unworked.xlsx](https://docs.google.com/spreadsheets/d/12-B7TCkRu2dadG2P9yiHDKfvbI5IO_nF/edit?usp=sharing&ouid=107681937864127182413&rtpof=true&sd=true)

Solutions: [Lecture 2 solutions](https://docs.google.com/spreadsheets/d/1Xu9tVUjTGLJmB5B0DXy3zaRmA4_E18rAgZW7tiq3uF0/edit?usp=sharing)

### 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)

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### **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)

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### **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)

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### **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))

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### **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)

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### **Question - 8**: Calculate the Total bill amount of products

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

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### Homework Question:

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

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