

MS Excel
Activity 01

1. Complete the following customer detail sheet using the information provided below.

ABC Bank										
Customer Detail Sheet - 2016										
Cust_ID	Name	Account type	Deposit	Withdrawal	Gross Balance	Additions		Deductions		Net Balance
						Intrest	Bouns	Service Charges	ATM Charges	
1001	Nidesh	D	20000	0						
1002	Kamala	A	55800	5800						
1003	Yasas	B	22500	20000						
1004	Isuru	B	5250	1000						
1005	Ravi	C	39000	0						
1006	Vasini	A	28000	5000						
1007	Geethma	D	4500	0						
1008	Fouzul	C	56000	18000						
1009	Dilini	B	2000	0						
1010	Paramee	C	4000	2500						

- a) Fill the “Gross Balance” column.

Hint: Gross Balance = Deposit – Withdrawal

- b) Find the interest as follows.

Account Type	Interest Rate
A	0%
B	8%
C	6%
D	4%

Hint: If account type is B interest should be 8% (Interest Rate) of the gross balance.

- c) Find the bonus by based on gross balance as follows,

Condition	Bonus Rate
Gross balance \geq 50 000	10%
Gross balance \geq 25 000	5%
Gross balance $<$ 25 000	0%

- d) Fill the “Service Charges” column using following conditions.

Account type	Amount of Service Charges
A	\$ 250
B	\$ 150
C	\$ 100
D	\$ 0

- e) ATM charges as follows.

Condition	Amount of ATM Charges
Withdrawal = 0	\$ 0
Withdrawal >= 10 000	\$ 50
Withdrawal < 10 000	\$ 25

- f) Fill the “Net Balance” column.

Hint: Net Balance = (Gross Balance + Total Additions) – Total Deductions

- g) Count the number of customers who did not make any withdrawals by using an appropriate function.
- h) Change the background and the font color of the cells into green if the interest is greater than Rs. 1 000.
- i) Filter whose account type belongs to type “B” and at the same time whose deposit is greater than or equal to Rs. 5 000 and withdrawal is less than or equal to Rs. 20 000.

Copy the results to a separate place in the same worksheet.

Hint: Use Advance filter.

- j) Draw a bar chart to demonstrate the deposit and withdrawal.
- i) Use only the Cust_ID, deposit and withdrawal columns.
 - ii) Name X-axis and Y-axis.
 - iii) Give an appropriate title to the chart.

MS Excel Activity 02

The spreadsheet *Excel_MainQuestion.xlsx* shows the marks obtained by the students of first year for some of the subjects offered to them. The marks for each subject include the marks for assignments and final examination.

Note:

The first column is the index number of the student.

The subsequent columns indicate the students' marks. E.g. ITE 192 A1 (10%) means for assignment 1 of subject ITE 192, 10% of marks allocated out of 100; ITE 192 Final (70%) means for Final Exam of subject ITE 192, 70% of marks allocated out of 100;

By using the given information,

1. Calculate the total assignment marks for each subject. (1 mark)
2. Add new column after the total assignment marks for each subject. Indicate “*Eligible*” or “*Not eligible*” based on the assignment marks. If assignment marks obtained by the student is less than 40% of total assignment marks, then the student is not eligible for the exam. (3 marks)
3. Find the Grade obtained for each subject based on the following criteria (6 marks)

If eligible for the exam,

- If the total marks greater than or equal to 70 - A
- If the total marks greater than or equal to 60 - B
- If the total marks greater than or equal to 50 - C
- If the total marks greater than or equal to 30 - S
- Else - I

If not eligible for the exam, W grade is given.

4. Calculate the total marks of each student (2 Marks)
 5. Create a new column and put the rank of the students. Rank students based on the total marks (Highest marks obtained student will be number 1) (2 Marks)
- Count the number of students with more than 2 A grades. (1 Mark)