**Advance Excel Assignment 11**

1. **Use the below table for the following Questions.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Roll No.** | **Name of Student** | **Sub-1** | **Sub-2** | **Sub-3** | **Sub-4** | **Sub-5** | **Sub-6** |
| 100101 | Rohan | 72 | 55 | 52 | 69 | 95 | 32 |
| 100102 | Mo han | 65 | 51 | 63 | 85 | 71 | 69 |
| 100103 | Ravi meheta | 72 | 56 | 78 | 85 | 47 | 68 |
| 100104 | Ruby tondon | 68 | 71 | 85 | 84 | 78 | 60 |
| 100105 | Radhika gupta | 80 | 78 | 58 | 65 | 68 | 45 |
| 100106 | Rakhi | 61 | 78 | 45 | 62 | 75 | 64 |
| 100107 | david | 78 | 69 | 96 | 52 | 63 | 87 |
| 100108 | mon ika mis hra | 96 | 85 | 86 | 84 | 45 | 63 |
| 100109 | Tommy singh | 75 | 63 | 54 | 63 | 61 | 98 |
| 100110 | p.rakesh | 63 | 52 | 96 | 87 | 78 | 45 |

1. **Find the Minimum Marks and Maximum marks scored by each student.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Roll No.** | **Name of Student** | **Sub-1** | **Sub-2** | **Sub-3** | **Sub-4** | **Sub-5** | **Sub-6** | **Min\_Marks** | **Max\_Marks** |
| 100101 | Rohan | 72 | 55 | 52 | 69 | 95 | 32 | 32 | 95 |
| 100102 | Mo han | 65 | 51 | 63 | 85 | 71 | 69 | 51 | 85 |
| 100103 | Ravi meheta | 72 | 56 | 78 | 85 | 47 | 68 | 47 | 85 |
| 100104 | Ruby tondon | 68 | 71 | 85 | 84 | 78 | 60 | 60 | 85 |
| 100105 | Radhika gupta | 80 | 78 | 58 | 65 | 68 | 45 | 45 | 80 |
| 100106 | Rakhi | 61 | 78 | 45 | 62 | 75 | 64 | 45 | 78 |
| 100107 | david | 78 | 69 | 96 | 52 | 63 | 87 | 52 | 96 |
| 100108 | mon ika mis hra | 96 | 85 | 86 | 84 | 45 | 63 | 45 | 96 |
| 100109 | Tommy singh | 75 | 63 | 54 | 63 | 61 | 98 | 54 | 98 |
| 100110 | p.rakesh | 63 | 52 | 96 | 87 | 78 | 45 | 45 | 96 |

Using formulas:

* Min: =MIN (C2:H2)
* Max: =MAX (C2:H2)

1. **Calculate the totals for each student, use conditional formatting to**

**highlight the top students who have scored more than 480.**

Since there are no students who have scored more than 480 marks. Hence, I have considered as 420 marks.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Roll No.** | **Name of Student** | **Sub-1** | **Sub-2** | **Sub-3** | **Sub-4** | **Sub-5** | **Sub-6** | **Total** |
| 100101 | Rohan | 72 | 55 | 52 | 69 | 95 | 32 | 375 |
| 100102 | Mo han | 65 | 51 | 63 | 85 | 71 | 69 | 404 |
| 100103 | Ravi meheta | 72 | 56 | 78 | 85 | 47 | 68 | 406 |
| 100104 | Ruby tondon | 68 | 71 | 85 | 84 | 78 | 60 | 446 |
| 100105 | Radhika gupta | 80 | 78 | 58 | 65 | 68 | 45 | 394 |
| 100106 | Rakhi | 61 | 78 | 45 | 62 | 75 | 64 | 385 |
| 100107 | david | 78 | 69 | 96 | 52 | 63 | 87 | 445 |
| 100108 | mon ika mis hra | 96 | 85 | 86 | 84 | 45 | 63 | 459 |
| 100109 | Tommy singh | 75 | 63 | 54 | 63 | 61 | 98 | 414 |
| 100110 | p.rakesh | 63 | 52 | 96 | 87 | 78 | 45 | 421 |

Using Conditional Formatting,

* Conditional Formatting > Highlights the cell rules > Greater than 420 marks.

1. **Calculate the length of the names of each student.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Roll No.** | **Name of Student** | **Sub-1** | **Sub-2** | **Sub-3** | **Sub-4** | **Sub-5** | **Sub-6** | **length** |
| 100101 | Rohan | 72 | 55 | 52 | 69 | 95 | 32 | 5 |
| 100102 | Mo han | 65 | 51 | 63 | 85 | 71 | 69 | 6 |
| 100103 | Ravi meheta | 72 | 56 | 78 | 85 | 47 | 68 | 13 |
| 100104 | Ruby tondon | 68 | 71 | 85 | 84 | 78 | 60 | 12 |
| 100105 | Radhika gupta | 80 | 78 | 58 | 65 | 68 | 45 | 13 |
| 100106 | Rakhi | 61 | 78 | 45 | 62 | 75 | 64 | 5 |
| 100107 | david | 78 | 69 | 96 | 52 | 63 | 87 | 5 |
| 100108 | mon ika mis hra | 96 | 85 | 86 | 84 | 45 | 63 | 17 |
| 100109 | Tommy singh | 75 | 63 | 54 | 63 | 61 | 98 | 15 |
| 100110 | p.rakesh | 63 | 52 | 96 | 87 | 78 | 45 | 8 |

Using length formula,

* Length: =len(B2) and here whitespaces are also taken into consideration in between characters.

1. **Replace the Name Rakhi with Rocky. Use Formulas**

Using substitute formula, we can replace given string with new string

=SUBSTITUTE(B7,"Rakhi","Rocky") -> Kindly refer the above table for references.

1. **Combine the Roll Numbers and Names. Use formulas.**

|  |  |  |
| --- | --- | --- |
| **Roll No.** | **Name of Student** | **Concatenate** |
| 100101 | Rohan | 100101Rohan |
| 100102 | Mo han | 100102Mo han |
| 100103 | Ravi meheta | 100103Ravi meheta |
| 100104 | Ruby tondon | 100104Ruby tondon |
| 100105 | Radhika gupta | 100105Radhika gupta |
| 100106 | Rakhi | 100106Rakhi |
| 100107 | david | 100107david |
| 100108 | mon ika mis hra | 100108mon ika mis hra |
| 100109 | Tommy singh | 100109Tommy singh |
| 100110 | p.rakesh | 100110p.rakesh |

Using concate formula, we can combine two or more strings.

* =CONCATENATE (A2,"“, B2).

1. **As you can see that some names have spacing issues. Use Formulas to correct that spacing. Also ensure that the names and surnames start with a capital letter.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Roll No.** | **Name of Student** | **Trim** | **New format** |
| 100101 | Rohan | Rohan | Rohan |
| 100102 | Mo han | Mohan | Mohan |
| 100103 | Ravi meheta | Ravi meheta | Ravi Meheta |
| 100104 | Ruby tondon | Ruby tondon | Ruby Tondon |
| 100105 | Radhika gupta | Radhika gupta | Radhika Gupta |
| 100106 | Rakhi | Rakhi | Rakhi |
| 100107 | david | david | David |
| 100108 | mon ika mis hra | monika mishra | Monika Mishra |
| 100109 | Tommy singh | Tommy singh | Tommy Singh |
| 100110 | p.rakesh | p.rakesh | P.Rakesh |

For the first case, I have used both trim and substitute functions excluding 2nd and 8th cell.

* =TRIM(SUBSTITUTE(B2,"","")), where trim function removes extra spaces and substitute function replaces multiple spaces with single space.
* For 2nd cell -> =CONCAT("Mo","han") and for 8Th cell -> = CONCAT ("mon","ika"," ","mis","hra").
* For new format, =PROPER(O2), where proper function ensures names and surnames starts with a capital letter.