***Assignment 01***

**Name:** Muhammad Tahir

**Roll No.:** 21K-4503

**Task #1: OHL West**

1. Create the following spreadsheet.

2. Use a formula to calculate the Games column by adding the Wins, Losses and Ties.

3. Use a formula to calculate the points. A team gets two points for a win and one for a tie.

4. Use the built-in function 'sum' to calculate the total of the For column and Against column.

5. Sort the teams by Points (highest to lowest), Wins (highest to lowest), and then Team name (lowest to highest). Note: this

means to do one sort - not three.

6. Add your name below the spreadsheet, save and print.

7. Submit your spreadsheet and formulas stapled together.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **OHL WEST DIVISION** | | | | | | | |
|  | **G** | **W** | **L** | **T** | **F** | **A** | **P** |
| London | 50 | 31 | 16 | 3 | 236 | 183 | 65 |
| Plymouth | 45 | 27 | 17 | 1 | 199 | 170 | 55 |
| Sarnia | 49 | 23 | 18 | 8 | 187 | 176 | 54 |
| Eric | 51 | 22 | 26 | 3 | 188 | 213 | 47 |
| Windsor | 51 | 14 | 31 | 6 | 208 | 252 | 34 |
| SS Marie | 47 | 14 | 29 | 4 | 187 | 230 | 32 |
|  |  |  | **Total:** | | 1205 | 1224 |  |

**Task #2: NHL Player Profiles**

1. Create the following spreadsheet.

2. Go to the nhl.com website and record the stats of the top ten players from a team of your choice. See example below.

3. Fill in the Points column using a formula. Players get one point for a goal and one for an assist.

4. Fill in the Power Play Goal Percentage column using a formula. This is done by dividing the number of goals by the number of

power play points (PPP) or power play goals (PP). Format this column to percent with one decimal place.

5. Sort the players by Points (highest to lowest), Goals (highest to lowest), and then Penalty Minutes (lowest to highest).

6. At the bottom of the spreadsheet, create a team record by totaling each of the columns, except the Games Played and the percentage. There is no calculation necessary for the Games Played and the Percentage should be calculated just like

above.

7. Add your name below the spreadsheet, save and print.

8. Format the table with a border, title shading, team logos to the left and right of title, centered horizontally.

9. Submit your spreadsheet and formulas stapled together.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Florida Panthers** | | | | | | | | |
| **Player** | **GP** | **G** | **A** | **Pts** | **+/-** | **PPP** | **PIM** | **PPP Pct** |
| gagner | 53 | 15 | 18 | 33 | -13 | 41 | 105 | 129.3% |
| ciccarclli | 43 | 14 | 6 | 20 | -17 | 48 | 125 | 89.6% |
| dvorak | 40 | 8 | 11 | 19 | -4 | 6 | 55 | 666.7% |
| fitzgerald | 57 | 9 | 5 | 14 | 4 | 41 | 89 | 139.0% |
| koziov | 42 | 7 | 6 | 13 | -11 | 4 | 99 | 1050.0% |
| jovanosvski | 56 | 6 | 6 | 12 | -14 | 84 | 86 | 66.7% |
| Carkner | 53 | 1 | 4 | 5 | 1 | 45 | 25 | 117.8% |
| garpeniov | 26 | 1 | 2 | 3 | -3 | 4 | 33 | 650.0% |
| johnson | 6 | 0 | 2 | 2 | -2 | 0 | 3 | 0.0% |
| eakins | 11 | 0 | 1 | 1 | 0 | 23 | 8 | 47.8% |

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| Team Record |
| 199 |
| 196 |
| 95 |
| 162 |
| 118 |
| 180 |
| 81 |
| 40 |
| 5 |
| 33 |

**Task #3: Acme Hat Corporation**

1. Prepare the following spreadsheet.

2. Fill in the Gross Pay column by using a formula which multiplies the Hours Worked times the Hourly Wage.

3. Fill in the Taxes column by using a formula which calculates 35% of the Gross Pay.

4. Fill in the Net Pay column with a formula which subtracts the Taxes from the Gross Pay.

5. Using the built-in function 'sum', calculate the totals of the last three columns.

6. Format the hours column to 1 decimal place and all other numbers to currency with 2 decimal places.

7. Sort the employees into alphabetical order.

8. Format the table with a border, title shading, graphic of a hat, centered horizontally and vertically.

9. Add your name using a header and the date and time as a footer to the spreadsheet, save and print.

10. Submit your spreadsheet and formulas stapled together.

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| --- | --- | --- | --- | --- | --- |
| **Acme Hat Corporation** | | | | | |
| **Name** | **Hours** | **Wage** | **Gross** | **Taxes** | **Net** |
| brooksbank | 29.0 | 31.00 | 899.00 | 314.65 | 584.35 |
| darrach | 15.0 | 18.54 | 278.10 | 97.34 | 180.77 |
| lachance | 40.5 | 15.75 | 637.88 | 223.26 | 414.62 |
| mckaig | 27.8 | 29.85 | 828.34 | 289.92 | 538.42 |
| ruypers | 14.8 | 15.75 | 232.31 | 81.31 | 151.00 |
| shaw | 38.0 | 32.00 | 1216.00 | 425.60 | 790.40 |
| warner | 39.5 | 35.50 | 1402.25 | 490.79 | 911.46 |
|  |  | **Total:** | 5493.875 | 1922.856 | 3571.019 |

**Task #4: BTTIOI Course Grades**

1. Prepare the following spreadsheet, being sure to use appropriate formulas and formats.

2. To calculate the Percentage, divide the Student’s Total Mark by the Total Possible Mark. The Total Possible Mark requires an

absolute reference since you must refer to this same cell for each calculation (the darker cell - you might refer to it with $G$5).

3. Format the Percentage column to Percent with no decimal places.

4. Format the Average row to 1 decimal place.

5. Sort the students by Percent (highest to lowest), and then Student Number (lowest to highest).

6. Add a column titled "Pass/Fail". Using the IF command display the word 'Pass' if the percent is greater than or equal to 50,

display the word 'Fail' if the percent is less than 50.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course: BTT 101 Teacher: Mr. Zain Period: 3** | | | | | | | | |
| **Name** | **Student** | **KB** | **WP** | **SS** | **DB** | **Total** | **Percentage** |
|  | **Number** | **30** | **35** | **25** | **30** | **120** | **%** |
| Ip Henry | 1214 | 29 | 32 | 23 | 27 | 111 | 93% |
| Frank Joe | 1798 | 26 | 29 | 22 | 28 | 105 | 88% |
| Gill Mary | 1115 | 25 | 30 | 20 | 25 | 100 | 83% |
| Avery Adam | 1203 | 25 | 31 | 19 | 21 | 96 | 80% |
| Dibble Liz | 1721 | 22 | 30 | 20 | 22 | 94 | 78% |
| Dow Julia | 1604 | 24 | 29 | 20 | 20 | 93 | 78% |
| Low John | 2015 | 22 | 21 | 19 | 18 | 80 | 67% |
| Joe Sarah | 2021 | 19 | 21 | 18 | 20 | 78 | 65% |
| Chow Samuel | 2219 | 10 | 15 | 10 | 14 | 49 | 41% |
| Warn Sizanne | 1320 | 12 | 12 | 14 | 9 | 47 | 39% |
|  | **Average:** | 21.4 | 25 | 18.5 | 20.4 | 85.3 | 71% |

|  |
| --- |
|  |
| **Pass/Fail** |
|  |
| Pass |
| Pass |
| Pass |
| Pass |
| Pass |
| Pass |
| Pass |
| Pass |
| Fail |
| Fail |
|  |

**Task #5: Assignment Grades**

1. Create the following spreadsheet:

2. The numbers in B2 and D2 are the grade the assignments were marked out of. Use a formula with an absolute cell reference to

calculate the assign1 % and assign2 %. These numbers are the mark the student received on the assignment divided by the

mark the assignment was out of. Display the answers a percentage with 1 decimal place

3. Use functions to display the average, maximum and minimum of the assign1, assign1%, assign2 andassign2 % columns.

4. Format the average, maximum and minimum to all have 1 decimal place.

5. Use a formula to calculate the numbers in the average% column, this is the assign1% added to theassign2% divided by 2

– beware of BEDMAS!

6. Format the average5 column to display 1 decimal place.

7. Align titles and numbers to make your spreadsheet look professional.

8. Format the table with a border, title shading, and centered horizontally and vertically on the page.

9. Add your name using a header and the date and time as a footer to the spreadsheet, save and print.

10. Submit your spreadsheet and formulas stapled together.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Student** | **Assgn 1** | **Assgn %** | **Assgn 2** | **Assgn 2%** | **Average %** |
|  | **35** |  | **55** |  |  |
|  |  |  |  |  |  |
| John | 34 | 97.1% | 45 | 81.8% | 89.5% |
| Sue | 31 | 88.6% | 49 | 89.1% | 88.8% |
| Pat | 28 | 80.0% | 51 | 92.7% | 86.4% |
| Sam | 22 | 62.9% | 36 | 65.5% | 64.2% |
| Mike | 18 | 51.4% | 38 | 69.1% | 60.3% |
| Jane | 7 | 20.0% | 31 | 56.4% | 38.2% |
| Maria | 29 | 82.9% | 36 | 65.5% | 74.2% |
| Len | 26 | 74.3% | 29 | 52.7% | 63.5% |
|  |  |  |  |  |  |
| Average | 24.375 69.6% 39.375 71.6% | | | | |
| Maximum | 34 97.1% 51 92.7% | | | | |
| Minimum | 7 20.0% 29 52.7% | | | | |