



Faculty of Computing and Information Technology

Department of Mathematical and Data Science

**Bachelor of Science (Honours) in Management  
Mathematics with Computing**

Academic Year 2020/2021

BAMS3043 Mathematical and Statistical Software  
Assignment 1

**Programme of Study:** RMM3S1G2

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## Blank Form

\*\*\*Fill in the blanks with numbers only.

Income Tax Form	
IC (Last 4 digit):	XXXX
Gross Income :	RM 0
Tax Relief Items	
Self Relief	RM 9000
Disabled Individual	No 0
Spouse Relief	No 0
Disabled Spouse	No 0
SOC50	0
EPF Amount	0
Life Insurance Premiums	0
PRS & Deferred Annuity	0
Medical or Education Insurance Premiums	0
Family Details	
Lifestyle Expenses (Tech)	RM 0
Lifestyle Expenses	0
Education Fees For Self	0
Total Number of Children	0 0
No. of Children in Higher Education	0 0
Total SSPN Savings	0
Purchase of Supporting Equipment	0
Child Care and Kindergarten Fees	0
Domestic Travel Expenses	0
Medical Details	
Family Medical Examinations and Expenses	RM 0
Parental Care Medical Expenses	0
Parental Care Living Fee	N/A 0
Disabled Children	0 0
Disabled Children in Higher Education	0 0
Purchase of Breastfeeding Equipment	0
Summary Details	
Total Annual Income	RM 0
Total Tax Relief	9000
Total Chargeable Income	0
Clear	
Calculate Tax	
Net Tax Payable RM 0	

## Sample Case (Filled Form)

\*\*\*Fill in the blanks with numbers only.

Income Tax Form	
IC (Last 4 digit):	0528
Gross Income :	RM 67050
Tax Relief Items	
	RM
Self Relief	9000
Disabled Individual	No 0
Spouse Relief	Yes 4000
Disabled Spouse	No 0
SOCSSO	250
EPF Amount	400
Life Insurance Premiums	300
PRS & Deferred Annuity	1000
Medical or Education Insurance Premiums	0
Family Details	
	RM
Lifestyle Expenses (Tech)	2188
Lifestyle Expenses	1550
Education Fees For Self	0
Total Number of Children	1 2000
No. of Children in Higher Education	1 8000
Total SSPN Savings	2000
Purchase of Supporting Equipment	0
Child Care and Kindergarten Fees	500
Domestic Travel Expenses	0
Medical Details	
	RM
Family Medical Examinations and Expenses	350
Parental Care Medical Expenses	0
Parental Care Living Fee	Mother 1500
Disabled Children	0 0
Disabled Children in Higher Education	0 0
Purchase of Breastfeeding Equipment	0
Summary Details	
	RM
Total Annual Income	67050
Total Tax Relief	33038
Total Chargeable Income	34012
Clear	
Calculate Tax	
Net Tax Payable	RM 570

This is an income tax filing spreadsheet which will automatically calculate the total chargeable income and the net tax payable with the gross income and tax relief items amounts entered by the user. There is an instruction stated at the top left corner to remind the user to key in numbers only. Validation has been made on each cell that required user input to avoid the potential errors. The formula behind the cells and the controls buttons has also been hidden. User only needs to use number keys to insert the blanks as it does not require any character inputs. Besides, the user can refer to the tooltips to know more about the details of each tax relief item. By clicking the “*Calculate Tax*” button, the user can easily get the net tax payable amount in just a few seconds. To reset the spreadsheet, the user may click the “*Clear*” button and the values will be set to zero again. Therefore, users can use this form to calculate the taxes they need to pay to allocate money beforehand for tax purposes. Overall, my income tax spreadsheet is simple and clear yet easy to use which provides a user-friendly interface with attractive colors and buttons.

In my opinion, I think that this assignment is a very good start for college students like me to prepare ourselves to step into the real world. As we know, whoever got a job with annual income more than RM34,000 needs to pay taxes every year. Paying taxes is also our civic duty to ensure our country is well - maintained. I started this assignment by browsing the official income tax website provided by my lecturer to understand each of the tax relief items and how the income tax rate is set. Next, I searched a few online income tax calculators and compared the differences then chose one to make as my reference to set up my own spreadsheet. By creating this spreadsheet, I learnt how to set up a user form using excel functions and visual basics for applications to calculate taxes automatically. Fun fact I also realize why my mom will ask me to keep those receipts every time I purchase the books and gadgets. That’s why I chose this case because I am already quite familiar with the electric bills’ details and personal budget.