



UNIVERSITY OF
WOLVERHAMPTON



HERALD
COLLEGE
KATHMANDU



REPORT
ON
NOUGHTSANDCROSSES (COURSEWORK -2)

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**An Independent NOUGHTSANDCROSSES (Coursework – 2) Report
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4CS001 | Introduction Programming and Problem Solving**

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1. What are the most challenging aspects of the coursework task?

→ While doing this project, the challenging aspect is that I won't be able to make the I don't know what kind of function are there in the imported module but with the use of print and dir, I know the what kind of thing that I can use for my project. Using exception handling is also hard for me to in some case, but at the end I know how to use it properly and where can I use it properly. Moreover, I need to use too many for loops in the program which cause little bit trouble for me. This project is hard for me to control because, I won't be able to change all the function or some other part which makes my program easy to understand. Furthermore, I was unaware about the concept of the JSON in python program which cause a little problem for me to do this task. These are the challenges that I faced during my coursework task.

2. How did you go about completing the task?

→ To complete this task, I divide my time period to finish 2-3 function per day. It took me about 5-6 days to complete this task without getting any error in the program. While doing this task, I have to do a lot of research about nested for loop, data structure and JSON which takes a lot of time for me to complete the task. Instead of thinking about I don't know how to write this program, I motivate myself to learn about nested for loops, data structure and JSON which helps a lot to me while doing my project. Almost 80% of the program are dependent on for loop, data structure and JSON in this program. Breaking the challenges, I finally completed my program by fixing the error that arise during the testing. Handling every possible exception makes my program run smooth and flexible to the user. At last, remembering the outcome of the project, I finally make my program runnable in the short period of time is the big achievement for me.

3. What have you learned over the course of completing this coursework task?

→ This first thing that I learned by doing this coursework task, I know how to design the algorithm and do the task in the set of sequences. Another thing is that about JSON. During my research, I know about the JSON operation load, loads, dump and dumps which makes me aware about it in the future project. I found maximum similarities about the JSON and dictionary but there is some difference

between them. Doing this project, makes me learn more about data structure, nested for loops, JSON and so on. Another thing that I learn is breaking down the program into smaller pieces are the best way to complete the whole program. I came to know about the importing makes the program easier. I came to know about importing module from python standard library and we can also import our own program from one file to another file which is the best thing that I learned while doing this project.