

Technical Informatics I

Quiz 2

by
Dr Fatimah
Faculty of Mechanical Engineering
fatimahd@ump.edu.my



Technical Informatics 1: Dr Fatimah

Quiz 2

- Aims
 - Familiarise students with Control Structures (Selection): `switch` and with Control Structures (Repetition): `for` loops
- Expected Outcomes
 - Students are able to understand concepts that can implement selection control structures `switch` and repetition control structures `for` loops
- References
 - Harry H. Cheng, 2010. C for Engineers and Scientists: An Interpretive Approach, McGraw Hill



Quiz 2

- Consider the following code:

```
#include <stdio.h>
int main(){
    int i, sum =0;
    for(i=0;i<5;i++) {
        switch (i){
            case 0:
                sum+=5;
                break;
            case 1:
                sum-=2;
            case 2:
            case 3:
                sum++;
            case 4:
                break;
            default:
                break;
        }
    }
    return 0;
}
```

Figure 1



Quiz 2

1. Draw a flow chart for the code in Figure 1 (10 Marks)
2. What is the value of sum after the code is executed (5 Marks)

Dr Fatimah

Technical Informatics

Quiz 2



Technical Informatics 1: Dr Fatimah