

# Technical Informatics I

## Quiz 4

by  
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Technical Informatics 1: Dr Fatimah

# Quiz 4

- Aims
  - Familiarise students with functions
- Expected Outcomes
  - Students are able show understanding of user-defined functions
- References
  - Harry H. Cheng, 2010. C for Engineers and Scientists: An Interpretive Approach, McGraw Hill



# Quiz 4

Consider the code in Figure 1 and answer the questions in the next slide:

```
#include <stdio.h>
void func(int n, int a[n]){
    int i;
    a[0] = 0;
    for (i=1; i<n; i++){
        a[i] = 2*i + a[i-1];
    }
    return;
}

int main(){
    int a1[4], a2[6];
    func(4, a1);
    func(6, a2);
    printf("a1[2] = %d\n", a1[2]);
    printf("a2[4] = %d\n", a2[4]);
    return 0;
}
```

Figure 1



# Quiz 4

a) Draw a flow chart for the code in Figure 1  
(10 Marks)

a) What is the output after the code is executed  
(5 Marks)

# Dr Fatimah

# Technical Informatics

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