



Department of Education, Sabaragamuwa/weekly school

week-September - 1

Subject-Information and Communication  
Technology

Grade-13

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## Unit 8 – Data Base Management

1. Consider the following Python code segment.

```
sum = 0
for i in range(0, 18, 3):
    if i%6 == 0 :
        sum = sum + i
    print(i)
print(sum)
```

- (a.) What is the value of sum after the following code has been executed?
  - (b.) Rewrite the above code using a while loop without using break statements and without introducing any more variables.
2. Write python statements to do the following considering the values given below.  
  
25,50,75,red,blue
    - a.) Add the above items into a list.
    - b.) Delete the element 50 from the list.
    - c.) Insert an integer value 100 after 75.