

GHP3 Theory questions

1. (2%) Given the following code, how many times is the phrase “This is the song that doesn’t end...” printed?

```
int i = 10;
for ( i = 1; i < 5; i ++ ) {
    System.out.println ( " This is the song that doesn 't end . . . " );
}
```

4 times

2. (2%) Given the code in the previous question, what is the value of i after exiting the loop?

i == 4

3. (2%) Given the following code, how many times is the phrase “I AM GROOT” printed?

```
int cnt = 0;
while ( cnt < 10 ) {
    cnt ++; if ( cnt == 7 ) break ; if ( cnt == 3 ) continue ;
    System.out.println ( " I AM GROOT" );
}
```

5 times

4. (2%) Given the following code, what are the formal parameters of the method doSorcery()? public static void main (String [] args) {

```
int value = doSorcery ( 1 , 2 );
}
public static int doSorcery ( int a , int b )
{
return ( a+b );
}
```

Formal parameters are in a and in b

5. (2%) Given the code in the previous question, what are the actual parameters/arguments of the method doSorcery()?

Actual parameters are 1 and 2

6. (2%) Given the code in the previous question, what is the signature of the method doSorcery()?

Public static int doSorcery()

7. (2%) Could I overload the method by writing the following? If not, why?

```
public static double doSorcery ( int a , int b ) {
    return ( a+b );
}
```

No because there would be problems with changing types

8. (2%) Briefly, what is a stub (when referring to methods)?

Stub is temporary code that will be substituted .