

COS 126 Written Exam 1 Solutions, Fall 2010

1. Number conversion

- A. 462
- B. 1111 0001 1100 1110
- C. 7E
- D. -80

2. Expressions

type	value
A. Illegal	
B. double	0.0
C. int	runtime error
D. double	Infinity
E. double	0.0
F. boolean	true
G. boolean	false
H. Illegal	

3. TOY: G A B E G G G

4. Arrays and loops:

- A. d1bd3b

5. Methods

- A. a b c d f
- B. b
- C. a b f

6. **Recursive method**

A. TSTST

B. STSTSTSTSTS

C. 85

7. **Debugging**

A. Line 5 Correct version: `int N = Integer.parseInt(args[0]);`

B. Line 6 Correct version: `long result = 1;`

C. Line 8 Correct version: `while (i <= N)`

8. **Performance** C and F