

Name : _____ Date : _____

IF QUIZ 1A

Show the output of each block of code below. (100 points)

1. What is the output?

```
int a=99;
if(a>99)
    out.println("abc");
out.println("def");
```

2. What is the output?

```
int b=100;
if(b>=99)
    out.println("abc");
out.println("def");
```

3. What is the output?

```
int c=100;
if(c==100)
    out.println("c == 100");
if(c>=95)
    out.println("def");
```

4. What is the output?

```
int d=100, e=88;
if(d>90)
    out.println("abc");
if(e<=95)
    out.println("def");
```

5. What is the output?

```
int f=100, g=88;
if(f>99)
    out.println("abc");
if(g>95)
    out.println("def");
```

6. What is the output?

```
int h=100, i=88;
if(h>90)
    if(i>95)
        out.println("def");
if(h>95)
    out.println("ghi");
```

7. What is returned by the call
Fun.go(100, 99) ?

```
public class Fun{
    public static String go(int j, int k){
        if(j>90){
            if(k>95)
                return "def";
        }
        if(j>95)
            return "ghi";
        return "fun";
    }
}
```

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IF QUIZ 2A

Show the output of each block of code below. (100 points)

1. What is the output?

```
String s = new String("test");
if(s.equals("test"))
    out.println("match");
out.println("fun");
```

2. What is the output?

```
String w = "abc";
out.println(w.compareTo("ABC"));
out.println(w.compareTo("abc"));
out.println("ABC".compareTo(w));
```

3. What is the output?

```
int a=100, b=88;
if(a>90)
    out.println("123");
if(b<95)
    out.println("456");
```

4. What is the output?

```
int c=100, d=88;
if(c>99)
    out.println("123");
if(d>95)
    out.println("456");
```

5. What is the output?

```
int e=100, f=10;
if(e>90)
    if(f>10)
        out.println("123");
else
    out.println("456");
```

6. What is the output?

```
int g=100, h=10;
if(g>90){
    if(h>10)
        out.println("123");
}else
    out.println("456");
out.println("789");
```

7. What is returned by the call
Fun.whooot(23)?

```
public class Fun
{
    public static int whooot( int x )
    {
        if(x > 21)
            if(x > 36)
                return -2;
            else
                return -4;
        else
            return -6;
    }
}
```

8. What is returned by the call
Fun.whooot(53)?

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IF QUIZ 1B

Show the output of each block of code below. (100 points)

1. What is the output?

```
int a=65;
if(a>99)
    out.println("rst");
out.println("def");
```

2. What is the output?

```
int b=125;
if(b>=99)
    out.println("rst");
out.println("def");
```

3. What is the output?

```
int c=50;
if(c==50)
    out.println("c == 50");
if(c>=95)
    out.println("def");
```

4. What is the output?

```
int d=100, e=88;
if(d>90)
    out.println("rst");
if(e<=95)
    out.println("def");
```

5. What is the output?

```
int f=100, g=94;
if(f>90)
    if(g>155)
        out.println("abc");
if(f>95)
    out.println("ghi");
```

6. What is the output?

```
int h=100, i=88;
if(h>99)
    out.println("rst");
if(i>95)
    out.println("def");
```

7. What is returned by the call
Fun.go(100, 99) ?

```
public class Fun{
    public static String go(int j, int k){
        if(j>90){
            if(k>95)
                return "abc";
        }
        if(j>95)
            return "ghi";
        return "compsci";
    }
}
```

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IF QUIZ 2B

Show the output of each block of code below. (100 points)

1. What is the output?

```
String s = new String("test");
if(s.equals("test"))
    out.println("same");
out.println("leet");
```

2. What is the output?

```
String w = "abc";
out.println(w.compareTo("ABC"));
out.println("ABC".compareTo(w));
out.println(w.compareTo("abc"));
```

3. What is the output?

```
int a=100, b=70;
if(a>90)
    out.println("abc");
if(b<95)
    out.println("def");
```

4. What is the output?

```
int c=100, d=88;
if(c>99)
    out.println("abc");
if(d>95)
    out.println("def");
```

5. What is the output?

```
int e=100, f=10;
if(e>90)
    if(f>10)
        out.println("abc");
else
    out.println("def");
```

6. What is the output?

```
int g=100, h=10;
if(g>90){
    if(h>10)
        out.println("abc");
}else
    out.println("def");
out.println("ghi");
```

7. What is returned by the call
Fun.whoot(43)?

```
public class Fun {
    public static int whoot( int x )
    {
        if(x > 21)
            if(x > 36)
                return -2;
            else
                return -4;
        else
            return -6;
    }
}
```

8. What is returned by the call
Fun.whoot(13)?