

Com S 327, Fall 2017, Midterm Exam Key

1.

- (a) Breaking Free
- (b) Sharpay Evans: Bop to the Top
- (c) Jack
- (d) Jack Bolton
- (e) Segmentation Fault
- (f) Gabriella MontezRyan Evans: Start of Something New
- (g) GabriellaBolton: Start of Something New
- (h) Segmentation Fault
- (i) Kelsi Nielsen
- (j) Status Quo

2.

(a)

```
int strcasecmp(const char *s1, const char *s2)
{
    int d;

    while (*s1 && *s2) {
        if (!(d = (*s1 | 0x20) - (*s2 | 0x20))) {
            s1++;
            s2++;
        } else {
            return d;
        }
    }

    return *s1 - *s2;
}
```

(b)

```
size_t strcspn(const char *s, const char *reject)
{
    int l, i;
    size_t val;

    for (l = 0; reject[l]; l++)
        ;

    for (val = 0; s[val]; val++) {
        for (i = 0; i < l; i++) {
            if (reject[i] == s[val]) {
                return val;
            }
        }
    }

    return val;
}
```

3.

- (a) b
- (b) b
- (c) a
- (d) a
- (e) b
- (f) b
- (g) c
- (h) b
- (i) a
- (j) a

Extra Credit. COMS327