

CS 2213 Midterm Exam 2 Solutions — Spring 2001

1) (15 points)

I did
On exam 2
exam 2
Expected
ected

2) (12 points)

Variable	x	y	z	u	v	w
Value	5	12	3	4	11	12

3) (10 points)

a) 10 b) 40 c) 8 d) 14+ e) 0

4) (10 points)

```
int sumit(stringval *svals, int size) {
    int i;
    int sum = 0;
    for (i=0;i<size;i++)
        sum = sum + svals[i].val;
    return sum;
}
```

5) (15 points)

```
int main(int argc, char *argv[]) {
    int count = 0;
    for (i=1;i<argc;i++)
        if (*argv[i] == '-')
            count++;
    printf("The number of arguments starting with - is %d\n",count);
    return 0;
}
```

6) (20 points)

```
int main() {
    int c;
    while ( (c=getchar()) !=EOF) ) {
        while (c==' ') c = getchar();
        while (c != '\n') {
            if (c == EOF) return;
            putchar(c);
            c = getchar();
        }
        putchar('\n');
    }
}
```

7) (15 points)

```
static int mystrcmp(char *s1, char *s2) {
    while (*s1 == *s2) {
        if (*s1 == '\0') return 0;
        s1++;
        s2++;
    }
    return 1;
}

nodeEntry *findString(char *str, nodeEntry *start) {
    while (start != NULL) {
        if (mystrcmp(str,start->sval.str) == 0)
            return start;
        start = start -> next;
    }
    return NULL;
}
```