

PUT YOUR NAME HERE:

1. Convert the following fragment of code to equivalent one without goto-statements:

```
m=0;
if(q==m)
    goto 20
else
    m=f(q);
    goto 30;
20: q=m+1;
30: m=m+1;
```

2. Convert the following fragment of code to equivalent one that uses one switch-statement instead of all these if-statements:

```
void printGrade(int points)
{
    if(points==4)
        printf("A")
    else
        if(points==3)
            printf("B")
        else
            if(points==2)
                printf("C")
            else
                if(points==1)
                    printf("D")
                else
                    if(points==0)
                        printf("F")
                    else
                        printf("incorrect grade");
}
```

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3. Please show step by step execution of the following code fragment and the output it will produce:

```
int a,b,c;
c=0;
for(a=6;b>1;a=a-1)
{
    b=a-1;
    printf("a=%d b=%d c=%d",a,b,c);
    c=c+a;
}
printf("a=%d b=%d c=%d",a,b,c);
```