

Question 4: Pseudocode

1. Start
2. Input a, b, c, d, e
3. If $(a, b, c, d, e \geq 1 \text{ \& } a, b, c, d, e \leq 13)$

```
int frstrank = a, frstcount = 1;  
int sendrank = 0, sendcount = 0;
```

```
if (b = frstrank) frstcount++;  
else some  
    sendrank = b; sendcount++;  
endif
```

```
if (c = frstrank) frstcount++;  
else if (c = sendrank) sendcount++;  
else if some (sendrank = 0)  
    sendrank = c, sendcount++;  
endif
```

```
if (d = frstrank) frstcount++;  
else if (d = sendrank) sendcount++;  
else if some sendrank = 0,  
    sendrank = d, sendcount++;  
endif
```

```
if (e = firstrank) firstcount++;  
elseif e = secondrank secondcount++;  
endif
```

```
if (firstcount = 3 & secondcount = 2, or  
firstcount = 2 & secondcount = 3)  
    print "Full house"
```

```
else  
    print "Not a full house"  
endif
```

```
else "F"  
    print "Invalid input"
```

```
endif  
end
```