

Peter Chinetti

CS 440

Assignment: Prolog

1. Sum:

```
sum([],0).  
sum([H|T],X) :- sum(T,Y), X is Y + H.
```

2. Append:

```
append([],X,X)  
append([H|T],X,[H|Z]) :- append(T,X,Z)
```

3. IsPrefix:

```
isprefix([],X)  
isprefix([H|T],[H|Z]) :- isprefix(T,Z)
```