



BRAINWARE UNIVERSITY

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Stream : BCA

Section: A

Semester: 6th

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Subject : Artificial Intelligence Lab

Subject code:BCA691

Assignment : week 8

Prolog problems:-

1.)Write a prolog(swi) program to implement append for two lists.

Code)

```
merge_list([],L,L ).
```

```
merge_list([H|T],L,[H|M]):-
```

```
    merge_list(T,L,M).
```

OUTPUT:

```
['mergelist2.pl'].
```

```
true.
```

```
?- merge_list([1,2],[2,3,4,5,6],M).
```

```
M = [1, 2, 2, 3, 4, 5, 6].
```