

BRAINWARE UNIVERSITY

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Subject : Artificial Intelligence Lab

Subject code:BCA691

Assignment : week 2

Prolog problems:-

1.) Write a prolog(swi) program to find maximum of two numbers.

Code)

```
maxi(X,Y):-
```

```
(
```

```
X=Y ->
```

```
    write('Both numbers are equal')
```

```
;
```

```
X>Y ->
```

```
(
```

```
    Z=X,
```

```
    write('maximum is'),
```

```
    write(Z)
```

```
)
```

```
;
```

```
(
```

```
    Z is Y,
```

```
write(Z)
```

```
)
```

```
).
```

OUTPUT:

```
?- ['maximum.pl'].
```

```
true.
```

```
?- maxi(5,8).
```

```
8
```

```
true.
```