Write down the Grammar for the following Sentence

```
begin
  int a=20,b
    while(a>b)
     begin
       x=y+z
     end
  end
```

Grammar:

S-> while (E) S | begin L end | AS |DL
L ->   L S | S
E ->   E R E | E A E | id|num
R ->   < | <= | > | >= | != | = =
A ->   + | - | * | / | %
AS ->   AS=E | id
DL → T V
T → int

V→V, AS|AS|id

Parse the above-mentioned sentence using the Grammar that you have written