Q1:

a.

i. NAME IDNUM EOF

ii.

../../Downloads/hw6.png

b.

i. NAME IDNUM INTLIT

ii.

../../Downloads/hw6b.png

iii. Grades can be parsed into oneGrade or oneGrade COMMA grades. Either one starts with an INTLIT.

c.

to be fixed: grades -> oneGrade | oneGrade COMMA grades

grades -> oneGrades + grades’

grades’ -> epsilon | COMMA grades

d.

to be fixed: stars -> STAR | stars STAR

stars -> STAR stars’

stars’ -> STAR stars’ | epsilon

Q2:

First:

program: {{}

stmts: {ID, if, epsilon}

stmt: {ID, if}

exp: {ID}

tail: {+, -, ID}

Follow:

program: {eof}

stmts: {}}

stmt: {ID, if, }}

exp: {;, )}

tail: {;, )}