

## LL(1) parsing table

Non terminal	First	Follow
Program	#oil, key, engine, ignite, $\epsilon$	\$
ImportSection	#oil, $\epsilon$	key, engine, ignite, \$
Import	#oil	
NamespaceSection	key	
FunctionList	engine, ignite, $\epsilon$	\$
Function	engine, ignite	
ParamList	gear, track, exhaust, turbo, flag, $\epsilon$	)
Param	gear, track, exhaust, turbo, flag	
Block	{	engine, ignite, \$, }, pitstop
StatementList	gear, track, exhaust, turbo, flag, Identifier, announce, finishline, $\epsilon$	}
Statement	gear, track, exhaust, turbo, flag, Identifier, announce, finishline	
Expression	Identifier, Number, String, (	;, ), pitstop
Term	Identifier, Number, String, (	
Factor	Identifier, Number, String, (	
Type	gear, track, exhaust, turbo, flag	Identifier

Non-Terminal	Input Token	Production Used
Program	#oil	Program $\rightarrow$ ImportSection NamespaceSection FunctionList
Program	key	Program $\rightarrow$ ImportSection NamespaceSection FunctionList
Program	engine	Program $\rightarrow$ ImportSection NamespaceSection FunctionList
ImportSection	#oil	ImportSection $\rightarrow$ Import ImportSection
ImportSection	key	ImportSection $\rightarrow \epsilon$
NamespaceSection	key	NamespaceSection $\rightarrow$ key Identifier
FunctionList	engine	FunctionList $\rightarrow$ Function FunctionList
FunctionList	ignite	FunctionList $\rightarrow$ Function FunctionList
FunctionList	\$	FunctionList $\rightarrow \epsilon$
Function	engine	Function $\rightarrow$ engine Identifier ( ParamList ) Block
Function	ignite	Function $\rightarrow$ ignite ( ParamList ) Block
Type	gear	Type $\rightarrow$ gear
Type	track	Type $\rightarrow$ track
Type	exhaust	Type $\rightarrow$ exhaust
Type	turbo	Type $\rightarrow$ turbo
Type	flag	Type $\rightarrow$ flag
Statement	announce	Statement $\rightarrow$ announce Expression ;
Statement	finishline	Statement $\rightarrow$ finishline Expression ;
Statement	Identifier	Statement $\rightarrow$ Identifier = Expression ;
Statement	gear	Statement $\rightarrow$ Type Identifier = Expression ;
Statement	track	Statement $\rightarrow$ track ( Expression ) Block pitstop Block
Statement	loopleft	Statement $\rightarrow$ loopleft ( Expression ) Block
Statement	listen	Statement $\rightarrow$ listen Identifier ;

