

```
CREATE TABLE `The Chariot`.`Inventory` ( `pid` INT NOT NULL  
AUTO_INCREMENT , `pname` CHAR(26) NOT NULL UNIQUE, `qty`  
INT NOT NULL , `mc` FLOAT NOT NULL , `wastage` FLOAT NOT  
NULL , `type` CHAR(26) NOT NULL , PRIMARY KEY (`pid`))  
ENGINE = InnoDB;
```

```
CREATE TABLE `The Chariot`.`Gold` ( `pid` INT NOT NULL ,  
`wt` DOUBLE NOT NULL , `gid` INT NOT NULL AUTO_INCREMENT ,  
`purity` FLOAT NOT NULL , `yellow` CHAR(4) NOT NULL DEFAULT  
'No' , `rose` CHAR(4) NOT NULL DEFAULT 'No' , `white`  
CHAR(4) NOT NULL DEFAULT 'No' , PRIMARY KEY (`gid`),  
UNIQUE `gu` (`pid`)) ENGINE = InnoDB;
```

ALTER TABLE Gold add constraint foreign key(pid) references
Inventory(pid);

```
CREATE TABLE `The Chariot`.`Metal` ( `pid` INT NOT NULL ,  
`mid` INT NOT NULL AUTO_INCREMENT , `name` CHAR(10) NOT NULL  
, `purity` FLOAT NOT NULL , `wt` DOUBLE NOT NULL ,  
PRIMARY KEY (`mid`)) ENGINE = InnoDB;
```

```
ALTER TABLE `The Chariot`.`Metal` DROP INDEX `un`, ADD UNIQUE `un` (`pid`,  
`name`) USING BTREE;
```

ALTER TABLE Metal add constraint foreign key(pid) references
Inventory(pid);

```
CREATE TABLE `The Chariot`.`Stone` ( `pid` INT NOT NULL ,  
`sid` INT NOT NULL AUTO_INCREMENT , `name` CHAR(26) NOT NULL  
, `cut` CHAR(26) NOT NULL , `clarity` CHAR(26) NOT NULL ,  
`colour` CHAR(26) NOT NULL , `value` FLOAT NOT NULL , `wt`  
DOUBLE NOT NULL , `no` INT NOT NULL , PRIMARY KEY  
(`sid`)) ENGINE = InnoDB;
```

ALTER TABLE Stone add constraint foreign key(pid) references
Inventory(pid);

```
ALTER TABLE `The Chariot`.`Stone` ADD UNIQUE `un1` (`name`, `cut`,  
`clarity`, `colour`, `wt`);
```

```
ALTER TABLE `The Chariot`.`Inventory` DROP PRIMARY KEY, ADD PRIMARY KEY  
(`pid`, `pname`) USING BTREE;
```

```
ALTER TABLE `The Chariot`.`Inventory` DROP PRIMARY KEY, ADD PRIMARY KEY  
(`pid`) USING BTREE;
```

```
ALTER TABLE `Inventory` CHANGE `pname` `pname` CHAR(100) CHARACTER SET  
utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL;
```

```
alter table Gold add constraint carat check(purity<=24)
```

```
alter table Gold add constraint carat check(purity in (18,22,24))
```

```
alter table Stone add constraint check1 check(no>0);
```

```
ALTER TABLE `Gold` CHANGE `wt` `wt` DOUBLE UNSIGNED NOT NULL, CHANGE  
`purity` `purity` FLOAT UNSIGNED NOT NULL;
```

```
ALTER TABLE `Inventory` CHANGE `mc` `mc` FLOAT UNSIGNED NOT NULL, CHANGE  
`wastage` `wastage` FLOAT UNSIGNED NOT NULL;
```

```
ALTER TABLE `Metal` CHANGE `purity` `purity` FLOAT UNSIGNED NOT NULL,  
CHANGE `wt` `wt` DOUBLE UNSIGNED NOT NULL;
```

```
ALTER TABLE `Stone` CHANGE `value` `value` FLOAT UNSIGNED NOT NULL, CHANGE  
`wt` `wt` DOUBLE UNSIGNED NOT NULL;
```