

**START**

```
graph TD; Start([START]) --> Declare[DECLARE VARIABLES]; Declare --> Ask[/ASK USER FOR THEIR DOG'S NAME/]; Ask --> DoWhile{DO WHILE :  
SUM = 100}; DoWhile --> IfBlock[IF BLOCK - CALCULATE  
5 RANDOM INTEGERS  
WHERE SUM EQUALS  
100]; IfBlock --> Print[/PRINT DOG'S DNA  
TO USER/]; Print --> End([END]);
```

**DECLARE  
VARIABLES**

**ASK USER FOR  
THEIR DOG'S NAME**

**DO WHILE :  
SUM = 100**

**IF BLOCK - CALCULATE  
5 RANDOM INTEGERS  
WHERE SUM EQUALS  
100**

**PRINT DOG'S DNA  
TO USER**

**END**