DAY – 08

**Debugging:**

gcc -g <filename> to debug

gdb ./a.out

**Looping:**

1.initialze variable

2.condition check

3.statements to be executed

4.counter

**3 Types:**

**1.do while**

**Syntax:**

do{

sts

}while(cond);

e.g.:

#include <stdio.h>

int main(){

char taste = 'g';

int emptyplate = 5;

int sFull = 0;

do{

printf("\nHave a bite of food\n");

emptyplate--;

printf("\nstomach full (1/0): \n");

scanf("%d",&sFull);

printf("\nHow was the taste (g/b): \n");

scanf(" ");

taste = getchar();

printf("\nEmpty plate value: %d",emptyplate);

}while((taste =='g') && (sFull==0) && (emptyplate>=0));

printf("\nprogram end\n");

return 0;

}

why is there ; in the end of while condition?

* To get to know that is the end of the loop.

**2.while**

**Syntax:**

while(cond1)

{

sts

}

**3.for**

\*\*can initiliase more than one or more values and can have counters as well

\*\*we can omit one or more sections

**Syntax:**

for(initial section;cond section;counter)

{

sts;

}

**2 types of loop**

1.entry controlled

2.exit controlled

\*\* only do while has the ; at the end of the while statement

if scanf has not functioning properly i should exit --- by exit(SUCCESS);

#include <stdio.h>

3 int main(){

4 itr =1;

5 Looplabel:

6 printf("\nitr = %d",itr);

7 itr++;

8 if(itr>5)

9 goto ExitLable;

10 else

11 goto Looplabel;

12 ExitLable:

13 printf("\n\n");

14 return 0

15

16 }