**PRAISE ADEBOLA MOYEDE**

**18/SCI01/053**

**CSC 206**

**LOOP STATEMENTS**

**NUMBER 1**

#include <stdio.h>

int main ()

{

void count from 100 ()

{

 int count, square;

 for(count = 100; count > 0; count--)

 {

 square = count \* count;

 printf("%d\n",square)

 }

}

return 0;

}

**NUMBER 2**

#include <stdio.h>

int main()

{

 int var;

 for (var=75;var<=80;var++)

 {

 printf("%d\n",var);

 if (var<=59)

 {

 break;

 }

 }

 printf("loop terminated");

 return 0;

}

**NUMBER 3**

#include <stdio.h>

int main()

{

 int var;

 for (var=75;var<=80;var++)

 {

 printf("%d\n",var);

 if (var<=59)

 {

 break;

 }

 }

 printf("loop terminated");

 return 0;

}

**NUMBER 4**

#include <stdio.h>

int main()

{

void factorialNum()

{

 int p, o;

 unsigned long long fact = 1;

 printf("Enter an integer:");

 scanf("%d", &p);

 //it shows error if the user inputs a negative integer

 if (p<0)

 printf("ERROR!!!, Factorial of negative integer do not exist.");

 else

 {

 for (o = 1; o<=p; ++o)

 {

 fact \*= o;

 }

 printf("Factorial of %d = %llu", p, fact);

 }

 return 0;

}

}

**NUMBER 5**

#include <stdio.h>

int main()

{

void countFrom50()

{

 int o;

 for (o = 50; o<= 1000; o++)

 printf("\n %d", o);

 getchar();

 return 0;

}

}

**NUMBER 6**

#include <stdio.h>

int main()

{

void checkAlphabets()

{

 char n;

 int lowercase, uppercase;

 printf("Enter Your Alphabet:");

 scanf("%n", &n);

 //evaluates to 1 if variable n is lowercase

 lowercase = (n == 'a' || n =='e' || n == 'i' || n == 'o' || n == 'u');

 //evaluates to 1 if n is uppercase

 uppercase = (n == 'A' || n == 'E' || n == 'I' || n == 'O' || n == 'U');

 //evaluates to 1 if n is either lowercase or uppercase

 if (lowercase || uppercase)

 printf("%n is a vowel.",n);

 else

 printf("%n is a consonant.", n);

}

return 0;

}

**NUMBER 7**

#include <stdio.h>

int main()

{

 void findMultiplication()

 {

 int number , i , fin;

 printf("Enter a number to show Multiplication");

 scanf("%d", &number);

 for(i=1 , i<=12; i++);

 {

 fin = number\*i;

 printf("Multiplication of %d \* %d = %d\n", number, i, fin);

 }

 }

 return 0;

}