**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;

}