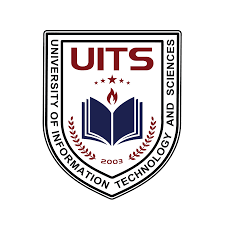
**University Of Information Technology & Sciences**



**Department of Computer Science and Engineering**

Structure Programming Language Lab

CSE 102

Lab Report – 03

**Submitted By**

Name : Sabbir Ahmed

ID : 2215151140

Section : C2

**Submitted to**

Md. Mahmodul Hasan

Lecturer

**Spring 2022**

**Problem No.: beecrowd #1044**

**Problem Name: Multiples**

**Submissions:**



**Solution:**

#include<stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 45**

**\*/**

int A, B;

scanf("%d %d", &A, &B);

if (B % A == 0 || A % B == 0)

{

printf("Sao Multiplos\n");

}

else

{

printf("Nao sao Multiplos\n");

}

return 0;

}

**Problem No.: beecrowd #1045**

**Problem Name:** **Triangle Types**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 46**

**\*/**

double a,b,c;

scanf("%lf %lf %lf", &a, &b, &c);

if(a >= (b+c) || b >= (a+c) || c >= (a+b))

printf("NAO FORMA TRIANGULO\n");

else if(a\*a == (b\*b + c\*c) || b\*b == (a\*a + c\*c) || c\*c == (a\*a + b\*b))

printf("TRIANGULO RETANGULO\n");

else if(a\*a > (b\*b + c\*c) || b\*b > (a\*a + c\*c) || c\*c > (a\*a + b\*b))

printf("TRIANGULO OBTUSANGULO\n");

else if(a\*a < (b\*b + c\*c) || b\*b < (a\*a + c\*c) || c\*c < (a\*a + b\*b))

printf("TRIANGULO ACUTANGULO\n");

if(a == b && a == c)

printf("TRIANGULO EQUILATERO\n");

if((a == b && a != c) || (a == c && a != b) || (b == c && b != a))

printf("TRIANGULO ISOSCELES\n");

return 0;

}

**Problem No.: beecrowd #1046**

**Problem Name:** **Game Time**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 47**

**\*/**

int a,b;

scanf ("%d%d", &a, &b);

if(a==b)

printf("O JOGO DUROU %d HORA(S)\n",24-a+b);

else if(a<=b)

printf ("O JOGO DUROU %d HORA(S)\n",b-a);

else

printf("O JOGO DUROU %d HORA(S)\n",24-a+b);

return 0;

}

**Problem No.: beecrowd #1047**

**Problem Name:** **Game Time with Minutes**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 48**

**\*/**

int a, b, c, d;

int dif;

scanf("%d %d %d %d", &a, &c, &b, &d);

dif = ((b\*60)+d) - ((a\*60)+c);

if(dif<=0) dif += 24\*60;

printf("O JOGO DUROU %d HORA(S) E %d MINUTO(S)\n", dif/60, dif%60);

return 0;

}

**Problem No.: beecrowd #1048**

**Problem Name:** **Salary Increase**

**Submissions:**

****

**Solution:**

#include<stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 49**

**\*/**

float s;

scanf("%f",&s);

if(s>0 && s<=400.0)

printf("Novo salario: %.2f\nReajuste ganho: %.2f\nEm percentual: 15 %%\n",(s+(s\*.15)),(s\*.15));

else if(s<=800.0)

printf("Novo salario: %.2f\nReajuste ganho: %.2f\nEm percentual: 12 %%\n",(s+(s\*.12)),(s\*.12));

else if(s<=1200.0)

printf("Novo salario: %.2f\nReajuste ganho: %.2f\nEm percentual: 10 %%\n",(s+(s\*.10)),(s\*.10));

else if(s<=2000.0)

printf("Novo salario: %.2f\nReajuste ganho: %.2f\nEm percentual: 7 %%\n",(s+(s\*.07)),(s\*.07));

else

printf("Novo salario: %.2f\nReajuste ganho: %.2f\nEm percentual: 4 %%\n",(s+(s\*.04)),(s\*.04));

return 0;

}

**Problem No.: beecrowd #1049**

**Problem Name:** **Animal**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 50**

**\*/**

char a[15];

char b[15];

char c[15];

scanf("%s", a);

scanf("%s", b);

scanf("%s", c);

if (a[0] == 'v' && b[0] == 'a' && c[0] == 'c')printf("aguia\n");

if (a[0] == 'v' && b[0] == 'a' && c[0] == 'o')printf("pomba\n");

if (a[0] == 'v' && b[0] == 'm' && c[0] == 'o')printf("homem\n");

if (a[0] == 'v' && b[0] == 'm' && c[0] == 'h')printf("vaca\n");

if (a[0] == 'i' && b[0] == 'i' && c[2] == 'm')printf("pulga\n");

if (a[0] == 'i' && b[0] == 'i' && c[2] == 'r')printf("lagarta\n");

if (a[0] == 'i' && b[0] == 'a' && c[0] == 'h')printf("sanguessuga\n");

if (a[0] == 'i' && b[0] == 'a' && c[0] == 'o')printf("minhoca\n");

return 0;

}

**Problem No.: beecrowd #1050**

**Problem Name:** **DDD**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 51**

**\*/**

int N;

scanf("%d",&N);

if(N==61)

printf("Brasilia\n");

else if(N==71)

printf("Salvador\n");

else if(N==11)

printf("Sao Paulo\n");

else if(N==21)

printf("Rio de Janeiro\n");

else if(N==32)

printf("Juiz de Fora\n");

else if(N==19)

printf("Campinas\n");

else if(N==27)

printf("Vitoria\n");

else if(N==31)

printf("Bela Horizonte\n");

else

printf("DDD nao cadastrado\n");

return 0;

}

**Problem No.: beecrowd #1051**

**Problem Name:** **Taxes**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 52**

**\*/**

double sal;

scanf("%lf", &sal);

if(sal <= 2000.00)

{

printf("Isento\n");

}

else if (sal >= 2000.01 && sal <= 3000.00)

{

printf("R$ %.2f\n", (sal - 2000.00)\*0.08);

}

else if (sal >= 3000.01 && sal <= 4500.00)

{

printf("R$ %.2f\n", ((sal - 3000.00)\*0.18 + 1000.00\*0.08));

}

else if (sal >= 4500.01)

{

printf("R$ %.2f\n", ((sal - 4500.00)\*0.28 + 1500.00\*0.18 + 1000.00\*0.08));

}

return 0;

}

**Problem No.: beecrowd #1052**

**Problem Name:** **Month**

**Submissions:**



**Solution:**

#include<stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 53**

**\*/**

int N;

scanf("%d", &N);

if(N == 1) printf("January\n");

else if (N == 2) printf("February\n");

else if (N == 3) printf("March\n");

else if (N == 4) printf("April\n");

else if (N == 5) printf("May\n");

else if (N == 6) printf("June\n");

else if (N == 7) printf("July\n");

else if (N == 8) printf("August\n");

else if (N == 9) printf("September\n");

else if (N == 10) printf("October\n");

else if (N == 11) printf("November\n");

else if (N == 12) printf("December\n");

return 0;

}

**Problem No.: beecrowd #1059**

**Problem Name:** **Even Numbers**

**Submissions:**



**Solution:**

#include <stdio.h>

int main()

{

**/\*\***

**\* Name: Sabbir Ahmed**

**\* ID: 2215151140**

**\* Lab No: 60**

**\*/**

int i;

for(i=2; i<=100; i=i+2)

{

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

}

return 0;

}