ATIVIDADE LG1A1 – 02/09/2020

1)

```c
#include <stdio.h>
#include <stdlib.h>

/* variaveis */
int cont;
float base, altura, area;

/* corpo do programa */
int main(){
    system("cls");
    cont=0; base=0; altura=0; area=0;
    do
    {
        printf("\n Base :"); fflush(stdin); scanf("%f", &base);
        printf("\n Altura :"); fflush(stdin); scanf("%f", &altura);
        if (base == 0 || altura == 0) {
            printf("\nImpossivel calcular area do trinagulo!");
        } else {
            area = base*altura/2;
            printf("\n Area =%5.2f", area);
        }
        cont++;
    }
    while (cont < 3);

    printf("\n");
    system("pause");



    return (0);
}
```

```
Base : 10

Altura :3

Area =15.00
Base :1

Altura :4

Area = 2.00
Base :6

Altura :1

Area = 3.00
Pressione qualquer tecla para continuar. . .

--------------------------------
Process exited after 12.73 seconds with return value 0
Pressione qualquer tecla para continuar. . .
```

2) ALTERNATIVA C

3)

```c
/* bibliotecas */
#include <stdio.h>

/* variaveis */
int number, count, result;

/* corpo do programa */
int main(){
    printf("\n Digite um numero: ");
    scanf("%i", &number);
    do
    {
        count++;
        result = number*count;
        printf("\n %i x %i = %i", count, number, result);
    }
    while ( count < 10 );

    return (0);
}
```

```
 Digite um numero: 5

 1 x 5 = 5
 2 x 5 = 10
 3 x 5 = 15
 4 x 5 = 20
 5 x 5 = 25
 6 x 5 = 30
 7 x 5 = 35
 8 x 5 = 40
 9 x 5 = 45
 10 x 5 = 50
--------------------------------
Process exited after 2.773 seconds with return value 0
Pressione qualquer tecla para continuar. . .
```

4)

```c
/* bibliotecas */
#include <stdio.h>
#include <stdlib.h>
#include <conio.h>

/* variaveis */
int countMain=0, countw=0;
char c, arr[10];

/* corpo do programa */
int main(){
    while (countMain < 3) {
        countw = 0;
        do
        {
            system("cls");
            printf("\n Senha(11 caracteres): ");
            switch(countw) {
                case 1:
                    printf("*");
                    break;
                case 2:
                    printf("**");
                    break;
                case 3:
                    printf("***");
                    break;
                case 4:
                    printf("****");
                    break;
                case 5:
                    printf("*****");
                    break;
                case 6:
                    printf("******");
                    break;
                case 7:
                    printf("*******");
                    break;
                case 8:
                    printf("********");
                    break;
                case 9:
                    printf("*********");
                    break;
                case 10:
                    printf("**********");
                    break;
            }
            c=getch();
            arr[countw] = c;
            countw++;


        }
        while (countw < 11);
```

```
58          if (arr[0] == 'i' && arr[1] == 'r' && arr[2] == 'o' && arr[3] == 'n' && arr[4] == ' ' && arr[5] == 'm' && arr[6] == 'a' && arr[7] == 'i' && arr[8] == 'd' && arr[9] 
59          {
60              printf("\n\n Acesso Vip!");
61              getch();
62              countMain = 3;
63          } else {
64              printf("\n\n BARRADO NA ENTRADA!");
65              getch();
66          }
67
68          countMain++;
69      }
70
71      return (0);
72  }
```