

PRACTICAL 1

AmayaDangalla-30062

1. #include <stdio.h>

```
        int main()
    {
        printf("Amaya Dangalla \n");printf("Rajasinghe
        central collage Ruwanwella \n"); return 0;
    }
```

```
2  #include <stdio.h>
```

```
int main()
{
    printf("*\n");
    printf("**\n");
    printf("***\n");
    printf("****\n");
    printf("*****\n");

    return 0;
}
```

3. #include <stdio.h>

```
int main()
{
    int inte = 5 ;
    float flo = 4.5 ;
    char charact = 'A';
    double doub = 5.6 ;

    printf ("integer = %d\n",inte);
    printf("float = %f\n",flo);
    printf("character = %c\n",charact);
    printf("double = %f\n",doub);

    return 0;
}
```

4. #include <stdio.h>

```
int main()
{
    int num1,num2,total;
    printf("Enter number:");
    scanf("%d",&num1);
    printf("Enter number:");
    scanf("%d",&num2);

    total = (num1+num2);

    printf("%d + %d \n",num1,num2);
    printf("Total = %d \n",total);

    return 0;
}
```

5 .#include<stdio.h>

```

int main()
{
    int num1,num2,Total;
    float Average;

    printf("Enter First Number:");
    scanf("%d",&num1);
    printf("Enter Second Number:");
    scanf("%d",&num2);
    Total = (num1+num2);
    printf("%d + %d \n",num1,num2);
    printf("Total = %d \n",Total);

    Average =(Total/2);
    printf("Average is %f ",Average);

    return 0;
}

```

The screenshot shows a C++ IDE with a code editor on the left and a console window on the right. The code in the editor is the same as the one provided in the first block. The console window shows the output of the program, which matches the expected results from the code.

```

C:\Users\HP\OneDrive - NSB
Enter First Number:20
Enter Second Number:30
20 + 30
Total = 50
Average is 25.000000
Process returned 0 (0x0)   execution time : 6.532 s
Press any key to continue.

```

```
6. #include<stdio.h>
int main()
{
    char Name[50];
    int birthyear,currentyear,Age;

    printf("Enter Your Name : ");
    scanf("%s",&Name);
    printf("Enter Your Birth Year : ");
    scanf("%d",&birthyear);
    printf("Enter Current Year :");
    scanf("%d",&currentyear);
    Age = (currentyear-birthyear);

    printf("Name is %s and Age is %d \n ",Name,Age);

    return 0;
}
```

```
7. #include<stdio.h>
int main()
{
    int no1,no2,no3;

    printf("Enter First Number :");
    scanf("%d",&no1);
    printf("Enter Second Number:");
    scanf("%d",&no2);

    no3 = no1;
    no1 = no2;
    no2 = no3;

    printf("After Swapping First Number : %d \n",no1);
    printf("After Swapping Second Number : %d \n",no2);

    return 0;
}
```

```
8.  #include<stdio.h>
    main()
    {
        printf("The color: %s\n", "blue");// "%s" shown as "blue" value

        printf("First number: %d\n", 12345); // "%d" shown as "12345" value

        printf("Second number: %04d\n", 25); // Output shows Four values

        printf("Third number: %i\n", 1234); // Output shows the same value
        that entered

        printf("Float number: %3.2f\n", 3.14159); // This float number
        limits 2 decimals

        printf("Hexadecimal: %x\n", 255); // show the Hexadecimal value of
        255

        printf("Octal: %o\n", 255); // show the octal value

        printf("Unsigned value: %u\n", 150); // show the value same as the
        input

        printf("Just print the percentage sign %%\n", 10); // show the %
        mark
    }
```