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20001292

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1)

def areaofcircle(r:Double):Double={

    return 3.14\*r\*r;

}

def main(args: Array[String])={

    println("Area of a disk with radius 5 :"+areaofcircle(5));

}

2)

def FtoC(c:Double):Double={

    return c \* 1.8000 + 32.00;

}

def main(args: Array[String])={

    println("35 ºC in ºF :"+FtoC(35));

}

3)

def VolumeofSphere(r:Double):Double={

    return 4f/3\*3.14\*r\*r\*r;

}

def main(args: Array[String])={

    println("volume of a sphere with radius 5 :"+VolumeofSphere(5));

}

4)

def cost(c:Int):Double={

    val price=24.95;

    if (c<=50){

        var a=(24.95\*c) + (3\*c);

        return a - (0.4\*a);

    }else{

        var a=(24.95\*c) + (3\*50 + 0.75\*(c-50));

        return a - (0.4\*a);

    }

}

def main(args: Array[String])={

    println("cost for 60 copies :"+cost(60));

}

5)

def easy(d:Double):Double={

    return d\*8;

}

def tempo(d:Double):Double={

    return d\*7;

}

def main(args: Array[String])={

    var a=easy(4)+tempo(3);

    println("Total running time :"+a);

}

Github link;

https://github.com/DivakaTharindaPerera/SCS2204-tutorial-3