[360-MATHS]

INTRODUCTION

- The software is entitled as [360-MATHS].
- With the help of our software users can calculate the irrespective mathematical related problems.

- Topics covered in this project are as follow--
  1. Calculations of mensuration of two –dimension as well as three - dimension figures.
  2. CoordinateGeometry.
  3. Trigonometry.
  4. DatarelatedwithProfitand Loss.

OBJECTIVESOFTHEPROJECT

- The objective of this project is to provide basically a platform comprises of different integrated program,that is beneficial and helpful for different users,in a way that they need not to wander at different sites for their respective work.

SCOPEOFPROJECT

I have planned many things for present needs as well as for future regarding our project.

Although,our users will be able to run this software in only text mode and in future voice mode also.

1 FOR STUDENTS-

Attaching test series basically related to above project in which users will have to attempt the irrespective questions.After the test he/she would be able to get his/herperformance. Although ,we will be updating our software, within every month with new tools and mathematics concepts along with different variety questions ,test .practice question and many more for different users

2. FOR PUBLISHERS AND AUTHORS-

They would get more advanced attachment along with our updated software.

They would be able to use in almost framing most of questions for their books,practice sets, and respective modules.

Although they would be able to get QRcode of this software which will be beneficial for them in their ratings and uniqueness.

3. FOR BUSINESSMAN. DEALERS AND VENDORS—

They will be able to get a backup receipt for their customers.

This software would help them in a very vast way.

Bibliography

- GUIDER AND GOOGLE.

SOURCECODEFORTHEPROJECT-[360-MATHS]

```
f=open("srclocation.txt","a")
f.write("allrecord arestoredinthis file")



whileTrue:
    print("PLZ,OBSERVETHERESPECTIVES.NOFORTOPICS-".center(140))
    print("A. S.NO=1 IS FOR-MENSTURATION".center(40))
    print("B. S.NO=2 IS FOR-PROFIT AND LOSS ".center(43))
    print("C.S.NO=3ISFORCOORDINATEGEOMETRY".center(45))
    print("D. S.NO=4 IS FOR TRIGNOMETRIY".center(40))
    print("E. S.NO=5 IS FOR STATISTICS".center(38))

    select=int(input("enteryourserialno.accordingtoyourchoice=")) if

    select==1:
        frommathimport*
        dim=input("enter[2-D]OR[3-D]FORTYPEOFFIGURE.=")

        if(dim=="2-D")or(dim=="2-d"):

            print("A. S.NO=1.1 IS FOR-square".center(39))
            print("B. S.NO=1.2 IS FOR-rectangle".center(42))
            print("C. S.NO=1.3 IS FOR-triangle".center(42))
            print("D. S.NO=1.4 IS FOR-rohmbus".center(40))
            print("E. S.NO=1.5 IS FOR-parelelogram".center(46))
            print("F. S.NO=1.6 IS FOR-circle".center(39))
            print("G.S.NO=1.7ISFOR-quadrailateral".center(47))

            select2=float(input("enteryours.no.accordingtoyourchoice=")) if

            select2==1.1:
                side=eval(input("enterlengthofsideof square="))
                r=round((side*side),2)
                p=round((4*side),2)
                s=round((1.41*side),2)
                print(f"THEAREAOFSQUAREIS{r}SQUAREUNITS")
                print(f"THE PERIMETER OF SQUARE IS {p} UNITS")
                print(f"THE DIAGONAL OF SQUARE IS {s} UNITS")
                f.write("THE AREA OF SQUARE IS"+str(r))
                f.write("THE DIAGONAL OF SQUARE IS"+str(p))


            elifselect2==1.2:
                len,br=input("enterlenandbrofrectanglesepbycomma=").split(",")
                m=round((eval(len)*eval(br)),2)
                n=round((2*(eval(len)+eval(br))),2)
                d=round((((eval(len)**2)+(eval(br)**2))**0.5),2)
                print(f"THEAREAOFRECTANGLEIS{m}SQUAREUNITS") print(f"THE
                PERIMETER OF RECTANGLEIS {n} UNITS") print(f"THE
                DIAGONAL OF RECTANGLE IS {d} UNITS")
                f.write("AREA OF RECTANGLE "+str(m))
                f.write("PERIMETEROFRECTANGLE"+str(n))

            elifselect2==1.3:
                s1,s2,s3=input("enterthethreesidesoftrianglesepbycomma=").split(",")
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            s=((eval(s1)+eval(s2)+eval(s3))/2)
            a=round((s*(s-eval(s1))*(s-eval(s2))*(s-eval(s3))),2)
            n=round((eval(s1)+eval(s2)+eval(s3)),2)
            print(f"THEAREAOFTRIANGLEIS{a}SQUAREUNITS")
            print(f"THE PERIMETER OF TRIANGLE IS {n} UNITS")
            f.write("THE AREA OF TRIANGLE"+str(a))
            f.write("THE PERIMETER OF TRIANGLE "+str(n))

        elifselect2==1.4:
            d1,d2=input("entertwodiagonalsseprated bycomma=").split(",")
            r=round((eval(d1)*eval(d2)*0.5),2)
            m=round((2*((eval(d1)**2+eval(d2)**2)**0.5)),2)
            p=round((((eval(d1)**2+eval(d2)**2)**0.5)/2),2)
            print(f"THE AREA OF ROHMBUS {r} SQUARE UNITS")
            print(f"THEPERIMETEROFROHMBUSIS {m}UNITS")
            print(f"THE SIDE OF ROHMBUS IS {p} UNITS")
            f.write("THE AREA OF ROHMBUS"+str(r))
            f.write("THE SIDE OF ROHMBUS"+str(p))

        elifselect2==1.5:
            base,height=input("enterbaseandheightof//gmsepbycomma=").split(",")
            m=round((eval(base)*eval(height)),2)n=round((2*(eval(base)+eval(height))),2)
            print(f"THEAREAOFparelelogramIS {m}SQUAREUNITS")
            print(f"THE PERIMETER OF paralelogram IS {n} UNITS")
            f.write("THE AREA OF parelelogram IS"+str(m))
            f.write("THE PERIMETER OF paralelogram"+str(n))

        elifselect2==1.6:
            r,fi=input("entertheradiusand subtendedanglesep.bycomma=").split(",")
            t=round(float(eval(fi)),2)
            a=round(((t*pi*(eval(r)**2))/(2*pi)),2)
            m=round((2*pi*eval(r)),2)
            q=round((t*2*pi*eval(r))/(2*pi),2)
            print(f"THE AREA OF CIRCLE IS {a} SQUARE UNITS")
            print(f"THECIRCUMFERENCEOFCIRCLEIS{m}UNITS")
            print(f"THELENGTHOFSUBTENDED-ARCOFCIRCLEIS{q}UNITS") f.write("CIRCUMFERENCE OF
            CIRCLE"+str(m))
            f.write("THELENGTHOFSUBTENDED-ARC"+str(q))

        elifselect2==1.7:
            l1,l2,l3,l4=input("enterallsidesofquad.seperatedbycomma=").split(",")
            s=((eval(l1)+eval(l2)+eval(l3)+eval(l4))/2)
            ar=((s-eval(l4))*(s-eval(l1))*(s-eval(l2))*(s-eval(l3)))
            print(f"THE AREA OF QUADRILATERAL IS {round(ar**0.5,2)}Sq.units")
            print(f"THEPERIMETEROFQUADRILATERALIS{round((2*s),2)}UNITS")
            f.write("AREA OF QUADRILATERAL IS"+str(ar**0.5,2))
            f.write("PERIMETEROFQUADRILATERAL"+str(round((2*s),2)))

        else:
            print("WE HAVERIGHTNOWONLYTHISDATAIN2-DIMENSION..")


    elifdim=="3-D"ordim=="3-d":
        print("A. S.NO=1.1 IS FOR-cube".center(40))
        print("B. S.NO=1.2 IS FOR-cuboid".center(42))
        print("C. S.NO=1.3 IS FOR-cylinder".center(43))
        print("D. S.NO=1.4 IS FOR-sphere".center(41))
        print("E.S.NO=1.5ISFOR-hemisphere".center(45))
        print("F. S.NO=1.6 IS FOR-cone".center(39))
        print("G. S.NO=1.7 IS FOR-frustum".center(41))
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choose=float(input("enteryourserialno.accordingtoyourchoice="))

ifchoose==1.1:
    side=eval(input("enterlengthofsideofcube="))
    l=round((4*side*side),2)
    t=round((6*side**2),2)
    d=round((1.732*side),2)
    print(f"THELATERALAREAOFCUBEIS {l}SQUAREUNITS")
    print(f"THE TOTAL AREA OF CUBE IS {t} SQUARE UNITS")
    print(f"THE VOLUME OF CUBE IS {side**3} UNITS")
    print(f"THE DIAGONAL OF CUBE IS {d} UNITS")
    f.write(str(t))

elifchoose==1.2:
    l,b,h=input("enter l,b,h of side of cuboid sep by comma =").split(",")
    a=round((2*eval(h)*(eval(l)+eval(b))),2)
    b=round(((2*eval(l)*eval(b))+(2*eval(b)*eval(h))+(2*eval(h)*eval(l))),2)
    print(f"THE LATERAL AREA OF CUBOID IS {a} SQUARE UNITS")
    print(f"THETOTALAREAOFCUBOIDIS {b}SQUAREUNITS")
    f.write("THE LATERAL AREA OF CUBOID IS"+str(a))
    f.write("THE TOTAL AREA OFCUBOID "+str(b))

elifchoose==1.3:
    r,h=input("enterradandheofcylindersepbycomma=").split(",")
    m=round((2*pi*eval(r)*eval(h)),2)
    n=round((2*pi*eval(r)*(eval(r)+eval(h))),2)
    q=round((pi*eval(h)*(eval(r)**2)),2)
    d=round(((eval(h)**2+4*eval(r)**2)**0.5),2)
    print(f"THECURVEDAREAOFCYLINDERIS{m}SQUAREUNITS")
    print(f"THE TOTAL AREA OF CYLINDER IS {n} SQUARE UNITS")
    print(f"THEVOLUMEOFCYLINDERIS{q} UNITS")print(f"THE
    DIAGONAL OF CYLINDER IS {d} UNITS") f.write("THE TOTAL
    AREA OF CYLINDER IS"+str(m)) f.write("THE CURVED AREA
    OFCYLINDER "+str(n))

elifchoose==1.4:
    r=eval(input("enterradiusofsphere="))
    m=round((4*pi*r**2),2)
    n=round(((4*pi*r**3)/3),2)
    print(f"THETOTALAREAOFSPHEREIS {m}SQUAREUNITS")
    print(f"THE VOLUME OF SPHERE IS {n} UNITS")
    f.write("THE CURVED AREA OF SPHERE IS"+str(m))
    f.write("THE TOTAL AREA OFSPHERE"+str(n))


elifchoose==1.5:
    r=eval(input("enterradiusofhemisphere="))
    p=round((2*pi*(r**2)),2)
    m=round((3*pi*(r**2)),2)
    n=round(((2*pi*(r**3))/3),2)
    print(f"THELATERALAREAOFHEMISPHEREIS {p}SQUAREUNITS")
    print(f"THE TOTAL AREA OF HEMISPHERE IS {m} SQUARE UNITS")
    print(f"THE VOLUME OF HEMISPHERE IS {n} UNITS")
    f.write("THECURVEDAREAOFHEMISPHEREIS"+str(p))
    f.write("THE TOTAL AREA OFHEMISPHERE"+str(m))

elifchoose==1.6:
    r,h=input("enterradiusandheightofconesepbycomma=").split(",")
    l=(eval(r)**2+eval(h)**2)**0.5
    m=round((pi*eval(r)*l),2)
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            n=round((pi*eval(r)*(eval(r)+l)),2)
            p=round(((pi*eval(h)*(eval(r)**2))/3),2)
            print(f"THECURVEDAREAOFCONEIS{m}SQUAREUNITS")
            print(f"THE TOTAL AREA OF CONE IS {n} SQUARE UNITS")
            print(f"THE VOLUME OF CONE IS {p} UNITS")
            f.write("THE CURVED AREA OF CONE IS"+str(m))
            f.write("THE TOTAL AREA OF CONE"+str(n))

        elifchoose==1.7:
            r,R,h=input("entersm&lgradiiandheisepby comma=").split(",")
            l=(eval(h)**2+(eval(R)-eval(r))**2)**0.5
            m=round((pi*l*(eval(r)+eval(R))),2)
            n=round(((pi*l*(eval(r)+eval(R)))+pi*(eval(r)**2+eval(R)**2)),2)
            p=round(((pi*eval(h)*(eval(r)**2+eval(R)**2+eval(r)*eval(R)))/3),2)
            print(f"THE CURVED AREA OF FRUSTUM IS {m} SQUARE UNITS")
            print(f"THE TOTAL AREAOFFRUSTUM IS{n}SQUAREUNITS")print(f"THE
            VOLUME OF FRUSTUM IS {p} UNITS")
            f.write("THECURVEDAREAOFFRUSTUMIS"+str(m))
            f.write("THE TOTAL AREA OF FRUSTUM"+str(n))

        else:
            print("FORNOWWEHAVETHISMUCHDATA.")



elifselect==2:
    print("A.S.NO=2.1ISFOR-
    FINDINGPROFIT".center(45))print("B.S.NO=2.2ISFOR-
    FINDINGLOSS".center(45)) print("C. S.NO=2.3 IS FOR-FINDING
    PROFIT_%".center(47)) print("D.S.NO=2.4ISFOR-
    FINDINGLOSS_%".center(45)) print("E.S.NO=2.5ISFOR-FINDING
    SPGIVENP%& cp".center(55)) print("F.S.NO=2.6ISFOR-FINDING
    SPGIVENL%& cp".center(55)) print("G.S.NO=2.7ISFOR-FINDING
    CPGIVENP%& sp".center(55)) print("H.S.NO=2.8ISFOR-FINDING
    CPGIVENL%& sp".center(55)) print("I. S.NO=2.9 IS FOR-FINDING
    DISCOUNT".center(48)) print("J. S.NO=2.91 IS FOR-FINDING
    DISCOUNT_%".center(49))

    st=float(input("enteryourrespectedserialno.oftopic=")) if

    st==2.1:
        def profit_finder():
            a=eval(input("ENTER THE SP="))
            b=eval(input("ENTER THE CP="))
            profit=round((a-b),2)
            print(f"THEPROFITIS{profit}")
            f.write("THEPROFITIS"+str(profit))
        profit_finder()


    elifst==2.2:
        def loss_finder():
            a=eval(input("ENTERTHESP="))
            b=eval(input("ENTERTHECP="))
            loss=round((b-a),2)
            print(f"THE LOSS IS{loss}")
            f.write("THELOSSIS"+str(loss)) loss_finder()

    elifst==2.3:
        def profit_():
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            a=eval(input("ENTER THE SP="))
            b=eval(input("ENTER THE CP="))
            p_perc=round((((a-b)*100)/b),2)
            print(f"THE PROFIT % IS {p_perc}%")
            f.write("THEPROFIT%IS"+str(p_perc))
        profit_()

    elifst==2.4:
        def loss_():
            a=eval(input("ENTER THE SP="))
            b=eval(input("ENTER THE CP="))
            l_perc=round((((b-a)*100)/b),2)
            print(f"THE LOSS % IS {l_perc}%")
            f.write("THELOSS%IS"+str(l_perc))
        loss_()

     elifst==2.5:
        def sp_():
            g=eval(input("ENTERTHEPROFIT%="))
            b=eval(input("ENTER THE CP="))
            s=round((((100+g)*b)/100),2)
            print(f"THE SP IS {s}")
            f.write("THESPIS"+str(s))
        sp_()

    elifst==2.6:
        def sp2_():
            l=eval(input("ENTERTHELOSS%="))
            b=eval(input("ENTER THE CP="))
            s=round((((100-l)*b)/100),2)
            print(f"THE SP IS {s}")
            f.write("THE SP IS"+str(s))
        sp2_()


     elifst==2.7:
        def cp_():
            g=eval(input("ENTERTHEPROFIT%="))
            b=eval(input("ENTER THE SP="))
            c=round(((100/(100+g))*b),2)
            print(f"THE CP IS {c}")
            f.write("THECPIS"+str(c))
        cp_()

     elifst==2.8:
        def cp_():
            l=eval(input("ENTERTHELOSS%="))
            b=eval(input("ENTER THE SP="))
            c=round(((100/(100-l))*b),2)
            print(f"THE CP IS {c}")
            f.write("THE CP IS"+str(c))
        cp_()

     elifst==2.9:
        def d():
            m=eval(input("ENTERTHEMRP="))
            s=eval(input("ENTER THE SP="))
            D=round((m-s),2)
            print(f"THE DISCOUNT IS {D}")
            f.write("THEDISCOUNTIS"+str(D))
        d()
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    elif st==2.91:
        defd_per():
            m=eval(input("ENTER THE MRP="))
            s=eval(input("ENTER THE SP="))
            D_=round((((m-s)*100)/s),2)
            print(f"THEDISCOUNT%IS{D_}%")
            f.write("THEDISCOUNT%IS"+str(D_))
        d_per()

    else:
        print("RIGHTNOW WEHAVEONLYthismuch.")



elifselect==3:
    print("A. S.NO=3.1 IS FOR-DISTANCE BETWEEN TWO POINTS".center(65))
    print("B.S.NO=3.2ISFOR-FINDIGLINE SEGMENTDIVIDER.".center(65))
    print("C. S.NO=3.3 IS FOR-FINDING AREA OF TRIANGLE    ".center(65))
    print("D.S.NO=3.4ISTOFINDCOORDINATESOFCENTROID".center(65))

    t=float(input("enterserialno.oftopicaccordingtoyourneeds=")) if

    t==3.1:
        def d_f():
            x1,x2=input("ENTERBOTHX-COORDINATESSEPBYCOMMA=").split(",")
            y1,y2=input("ENTERBOTHY-COORDINATESSEPBY COMMA =").split(",")
            D=round((((eval(x1)-eval(x2))**2+(eval(y1)-eval(y2))**2)**0.5),2)
            print(f"THE DISTANCE BETWEEN THE GIVEN POINTS IS {D} UNITS")
            f.write("distancebetweenthepintsis"+str(D)) d_f()

     elift==3.2:
        def p():
            x1,x2=input("ENTER BOTH X-COORDINATES SEP BY COMMA =").split(",")
            y1,y2=input("ENTER BOTH Y-COORDINATES SEP BY COMMA =").split(",")
            p,q=input("ENTERTHERATIOOFDIVISIONSEPBYCOMMA=").split(",")
            X=round((((eval(p)*eval(x2))+(eval(q)*eval(x1)))/(eval(p)+eval(q))),2)
            Y=round(((eval(p)*eval(y2)+eval(q)*eval(y1))/(eval(p)+eval(q))),2)
            print(f"THE COORDINATES OF THE DIVIDER POINTIS ({X},{Y})")
            f.write("x-coordinateofdividerpointis"+str(X))
            f.write("y-coordinateofdividerpointis"+str(Y))
        p()

     elift==3.3:
        def A():
            x1,x2,x3=input("ENTERALLX-COORDINATESsepbycomma=").split(",")
            y1,y2,y3=input("ENTERALLY-COORDINATESsepbycomma=").split(",")
            p=eval(x1)*(eval(y2)-eval(y3))
            q=eval(x2)*(eval(y3)-eval(y1))
            r=eval(x3)*(eval(y1)-eval(y2))
            t=(p+q+r)/2
            print(f"THeAREAOFTRIANGLEIS({round((abs(t)),2)})SQUAREUNITS")
            f.write("tearea oftriangleis"+str(t))
        A()

     elift==3.4:
        def _area():
            x1,x2,x3=input("ENTERALLX-COORDINATESsepbycomma=").split(",")
            y1,y2,y3=input("ENTERALLY-COORDINATESsepbycomma=").split(",")
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            a=str((eval(x1)+eval(x2)+eval(x3))/3)+","
            b=str((eval(y1)+eval(y2)+eval(y3))/3)
            c=a+b
            print(f"COORDINATESOFCENTROIDFORMEDIS({c})")
            f.write("coordinatesofvcentroidformed"+str(c))
        _area()



elifselect==4:
    print("A. S.NO=4.1 IS FOR- ALL TRIGNOMTRIC RATIOS ".center(80))
    print("B.S.NO=4.2ISFOR-SIN(X+Y),COS(X+Y),TAN(X+Y)".center(80))
    print("C.S.NO=4.3ISFOR-SIN(X-Y),COS(X-Y),TAN(X-Y)".center(80))
    print("D.S.NO=4.4ISFOR-SIN(X)+SIN(Y), COS(X)+COS(Y)".center(80))
    print("E.S.NO=4.5ISFOR-SIN(X)-SIN(Y),COS(X)-COS(Y)".center(80))
    print("E.S.NO=4.6ISFOR-SIN(2X),COS(2X),TAN(2X)          ".center(80))
    print("F.S.NO=4.7ISFOR-SIN(3X),COS(3X),TAN(3X)          ".center(80))
    print("G.S.NO=4.8ISFOR-SIN(X/2),COS(X/2),TAN(X/2)".center(80))

    q=float(input("enteryourrespectedserialno.oftopic=")) from
    math import *

    ifq==4.1:
        x=eval(input("enterthevalueoftheta[FOREG:-pi/4]=")) if
        x!=0:
            deftr():
                print(f"THE VALUE OF SIN(x) is {round(sin(x),2)}")
                print(f"THE VALUE OF COS(x)is {round(cos(x),2)}")
                print(f"THE VALUE OF TAN(x) is {round(tan(x),2)}")
                print(f"THE VALUE OF SEC(x) is {round((1/sin(x)),2)}")
                print(f"THEVALUEOFCOSEC(x)is{round((1/cos(x)),2)}")
                print(f"THE VALUE OF COT(x)is {round((1/tan(x)),2)}")
            tr()

        else:
            print(f"THEVALUEOFSIN(x)is0")print(f"THEVALUEOF
            COS(x)is1") print(f"THEVALUEOFTAN(x)is0")
            print(f"THEVALUEOFCOSEC(x)isNOT-DEFINED")
            print(f"THE VALUE OF SEC(x)is 1")
            print(f"THEVALUEOFCOT(x)isNOT-DEFINED")

    elifq==4.2:
        def tr2():
            x=eval(input("enterthe1stangle="))
            y=eval(input("enterthe2ndangle="))
            m=round(cos(x+y),2)
            n=round(cos(x+y),2)
            o=round(((tan(x)+tan(y))/1-tan(x)*tan(y)),2)
            print(f" THE VALUE OF SIN(x+y) IS {m}")
            print(f"THE VALUE OF COS(x+y) IS {n}")
            print(f" THE VALUE OF TAN(x+y) IS {o}")
            write("THE VALUE OF SIN(x+y) IS"+str(m))
            write("THEVALUEOFCOS(x+y)IS"+str(n)) write("
            THE VALUE OF TAN(x+y) IS "+str(o))
        tr2()

    elifq==4.3:
        def tr3():
            x=eval(input("enterthe1stangle="))
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            y=eval(input("enterthe2ndangle="))
            a=round(cos(x-y),2)
            b=round(cos(x-y),2)
            m=round(((tan(x)-tan(y))/1+tan(x)*tan(y)),2)
            print(f" THE VALUE OF SIN(x-y) IS {a}")
            print(f"THE VALUE OF COS(x-y) IS {b}")
            print(f" THE VALUE OF TAN(x-y) IS {m}")
        tr3()

    elifq==4.4:
        def tr4():
            x=eval(input("enter the 1st angle="))
            y=eval(input("enter the 2nd angle="))
            m=round((2*sin((x+y)/2)*cos((x-y)/2)),2)
            print(f"THEVALUEOFSIN(x)+SIN(y)IS{m}")
            n=round((2*cos((x+y)/2)*cos((x-y)/2)),2)
            print(f"THEVALUEOFCOS(x)+COS(y)IS{n}")
            f.write("VALUEOFSIN(x)-SIN(y)IS"+str(m))
            f.write("VALUE OF COSx)-COS(y) IS"+str(n))
        tr4()

    elifq==4.5:
        def tr5():
            x=eval(input("enter the 1st angle="))
            y=eval(input("enter the 2nd angle="))
            m=round((2*cos((x+y)/2)*sin((x-y)/2)),2)
            print(f"THEVALUEOFSIN(x)-SIN(y)IS{m}")
            n=round((-2*sin((x+y)/2)*sin((x-y)/2)),2)
            print(f"THEVALUEOFCOS(x)-COS(y)IS{n}")
            f.write("VALUEOFSIN(x)-SIN(y)IS"+str(m))
            f.write("VALUE OF COSx)-COS(y) IS"+str(n))
        tr5()

    elifq==4.6:
        def tr6():
            x=eval(input("enterthevalueoftheta="))
            a=round((2*cos(x)*sin(x)),2)
            b=round((1-2*sin(x)**2),2)
            c=round((2*tan(x)/1-tan(x)**2),2)
            print(f"THEVALUEOFSIN2(x)is{a}")
            print(f"THEVALUEOFCOS2(x)is{b}")
            print(f"THEVALUEOFTAN2(x)is{c}")
            f.write("VALUE OF SIN2(x)"+str(a))
            f.write("VALUE OF cos2(x)"+str(b))
            f.write("VALUE OF Stan2(x)"+str(c))
        tr6()

    elifq==4.7:
        def tr7():
            x=eval(input("enterthevalueoftheta="))
            a=round((3*sin(x)-4*sin(x)**3),2)
            b=round((4*cos(x)**3-3*cos(x)),2)
            c=round((3*tan(x)-tan(x)**3/1-3*tan(x)**2),2)
            print(f"THE VALUE OF SIN3(x) is {a}")
            print(f"THE VALUE OF COS3(x) is {b}")
            print(f"THE VALUE OF TAN3(x) is {c}")
            f.write("VALUE OF SIN3(x)"+str(a))
            f.write("VALUE OF cos3(x)"+str(b))
            f.write("VALUE OF Stan3(x)"+str(c))
        tr7()

    elifq==4.8:
```

```
            def tr8():
                x=eval(input("enterthevalueoftheta="))
                a=round((((1-cos(x))/2)**0.5),2)
                b=round((((1+cos(x))/2)**0.5),2)
                c=round((sin(x)/1+cos(x)),2)
                print(f"THEVALUEOFSIN(x)/2is{a}")
                print(f"THEVALUEOFCOS(x)/2is{b}")
                print(f"THEVALUEOFTAN(x)/2is{c}")
                f.write("VALUE OF SIN(x)/2"+str(a))
                f.write("VALUE OF cos(x)/2"+str(b))
                f.write("VALUE OF Stan(x)/2"+str(c))
            tr8()



    elifselect==5:
        print("A. S.NO=5.1 IS to find MEAN,MEDIAN,MODE".center(74))
        print("B.S.NO=5.2IStofindMEIDAN_HIGH,MEDIAN_LOW".center(80))
        print("C. S.NO=5.3 IS to findSTANDARD_DEVIATION".center(75))
        print("D. S.NO=5.4 IS to findVARIANCE ".center(67))

        fromstatisticsimport*

        s=float(input("enter the respective serial no.="))
        A=eval(input("enterthe elementsseperatedbycomma="))
        a=list(A)

        ifs==5.1:
            print(f"THE MEAN IN {a} IS {mean(a)}")
            print(f"THEMEDIANIN{a}IS{median(a)}")
            print(f"THE Mode IN {a} IS {mode(a)}")
            f.write("mean is"+str(mean(a)))
            f.write("median is "+str(median(a)))
            f.write("median is "+str(mode(a)))

        elifs==5.2:
            print(f"THE MEDIAN_high IN {a} IS {median_high(a)}")
            print(f"THE MEDIAN_low IN {a} IS {median_low(a)}")
            print(f"THEHARMONIC_MEANIN{a}IS{harmonic_mean(a)}")
            f.write("the median high is "+str(median_high(a)))
            f.write("the median low is "+str(median_low(a)))

        elifs==5.3:
            print(f"THESTANDARDDEVIATION{stdev(a)}")

        elifs==5.4:
            print(f"THEVARIANVCEIN{a}IS{variance(a)}")
            f.write("the variance is "+str(variance(a)))
        else:
            print(f"wehavethisdataonly")


f.close()
```

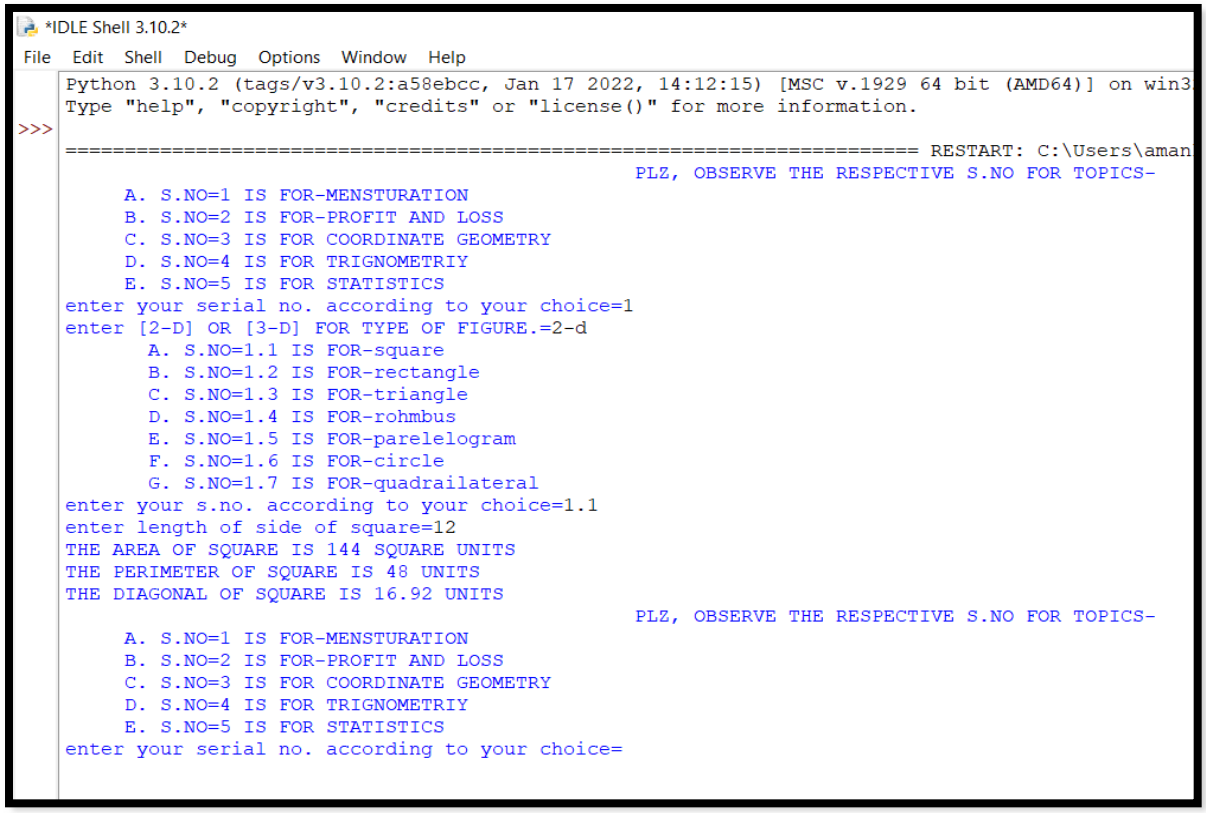
ENDOFSOURCE CODE.

OUTPUTOFPROJECTFILE.[AS SCREENSHOTS]

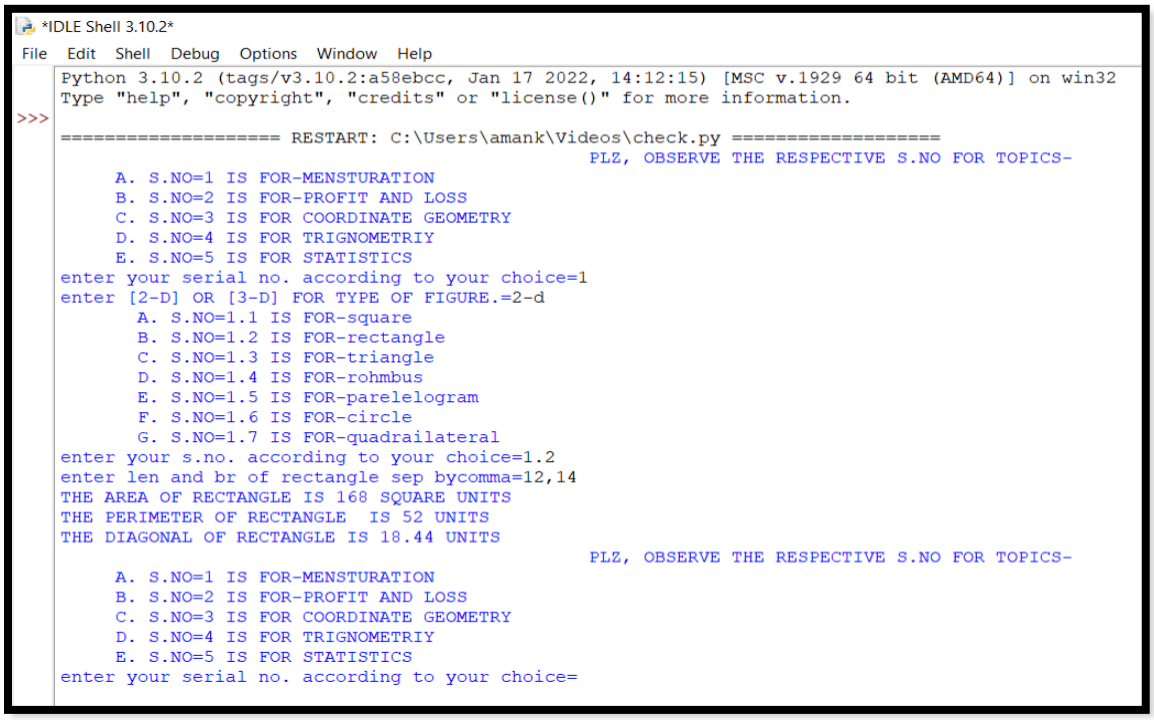
MENSURATION-RELATEDOPERATIONS

- **2-DIMENSIONFIGURES.**

SQUARE

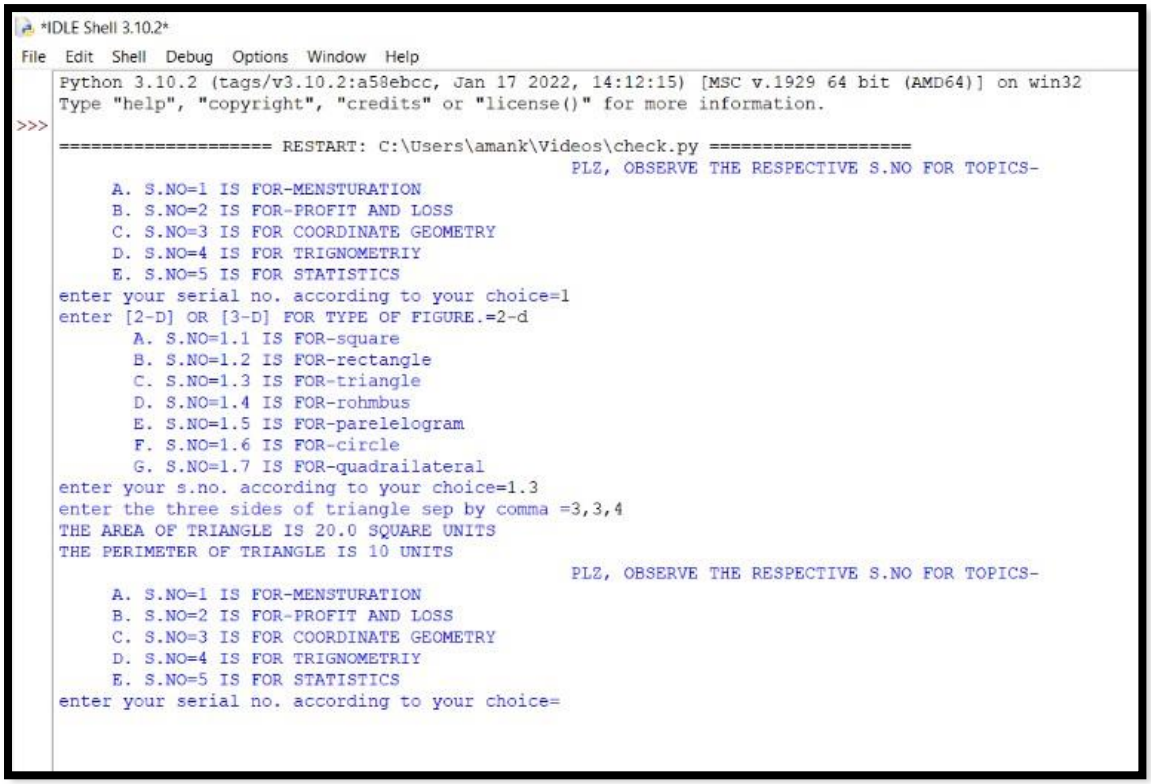


RECTANGLE



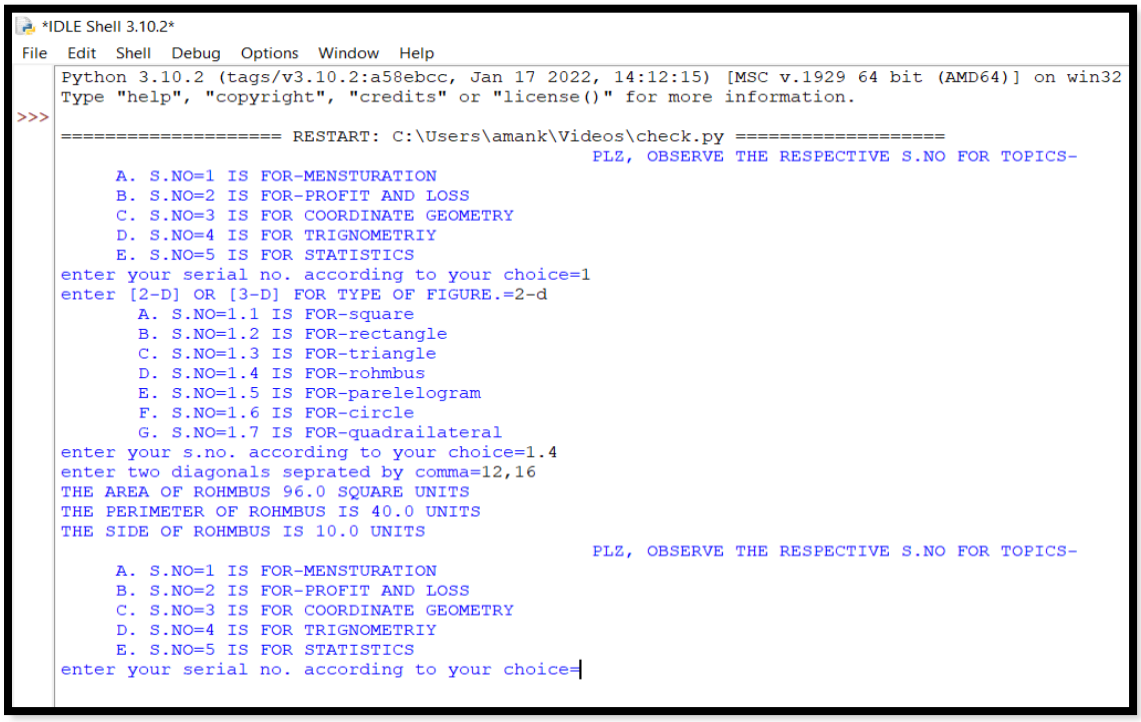
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=2-d
       A. S.NO=1.1 IS FOR-square
       B. S.NO=1.2 IS FOR-rectangle
       C. S.NO=1.3 IS FOR-triangle
       D. S.NO=1.4 IS FOR-rohmbus
       E. S.NO=1.5 IS FOR-parelelogram
       F. S.NO=1.6 IS FOR-circle
       G. S.NO=1.7 IS FOR-quadrailateral
enter your s.no. according to your choice=1.2
enter len and br of rectangle sep bycomma=12,14
THE AREA OF RECTANGLE IS 168 SQUARE UNITS
THE PERIMETER OF RECTANGLE  IS 52 UNITS
THE DIAGONAL OF RECTANGLE IS 18.44 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

TRiANGLE

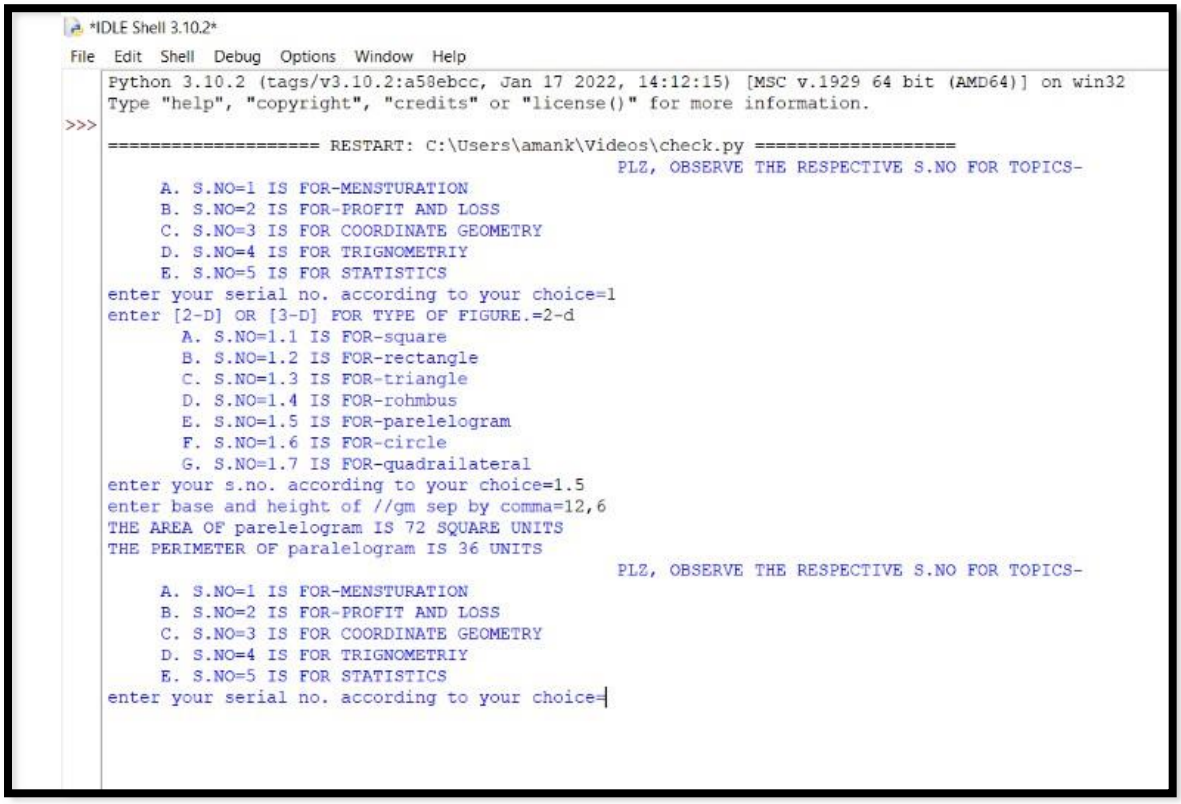


```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=2-d
       A. S.NO=1.1 IS FOR-square
       B. S.NO=1.2 IS FOR-rectangle
       C. S.NO=1.3 IS FOR-triangle
       D. S.NO=1.4 IS FOR-rohmbus
       E. S.NO=1.5 IS FOR-parelelogram
       F. S.NO=1.6 IS FOR-circle
       G. S.NO=1.7 IS FOR-quadrailateral
enter your s.no. according to your choice=1.3
enter the three sides of triangle sep by comma =3,3,4
THE AREA OF TRIANGLE IS 20.0 SQUARE UNITS
THE PERIMETER OF TRIANGLE IS 10 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

ROHMBUS



PARRELELOGRAM



CIRCLE

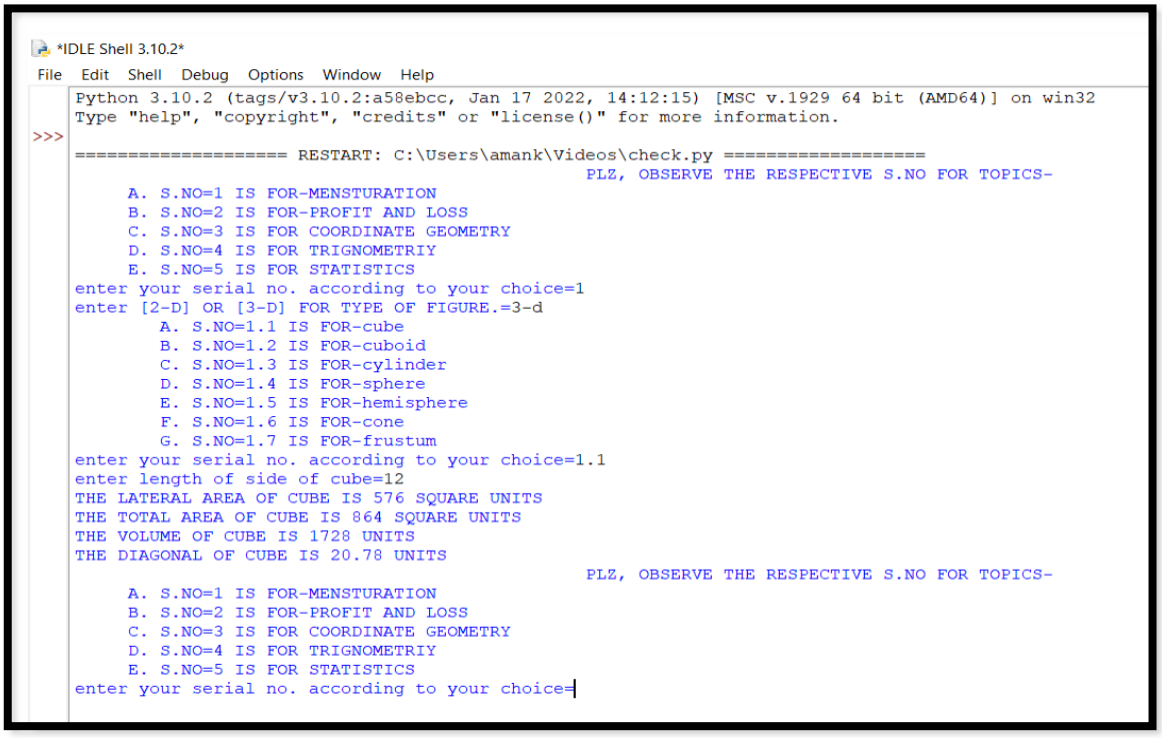
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=2-d
       A. S.NO=1.1 IS FOR-square
       B. S.NO=1.2 IS FOR-rectangle
       C. S.NO=1.3 IS FOR-triangle
       D. S.NO=1.4 IS FOR-rohmbus
       E. S.NO=1.5 IS FOR-parelelogram
       F. S.NO=1.6 IS FOR-circle
       G. S.NO=1.7 IS FOR-quadrailateral
enter your s.no. according to your choice=1.6
enter the radius and subtended angle sep. by comma=7,pi
THE AREA OF CIRCLE IS 76.93 SQUARE UNITS
THE CIRCUMFERENCE OF CIRCLE IS 43.98 UNITS
THE LENGTH OF SUBTENDED-ARC  OF CIRCLE IS 21.98 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

QUADRILATERAL

```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=2-d
       A. S.NO=1.1 IS FOR-square
       B. S.NO=1.2 IS FOR-rectangle
       C. S.NO=1.3 IS FOR-triangle
       D. S.NO=1.4 IS FOR-rohmbus
       E. S.NO=1.5 IS FOR-parelelogram
       F. S.NO=1.6 IS FOR-circle
       G. S.NO=1.7 IS FOR-quadrailateral
enter your s.no. according to your choice=1.7
enter all sides of quad. seperated by comma=1,1,1,1
THE AREA OF QUADRILATERAL IS 1.0Sq.units
THE PERIMETER OF QUADRILATERAL IS 4.0 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

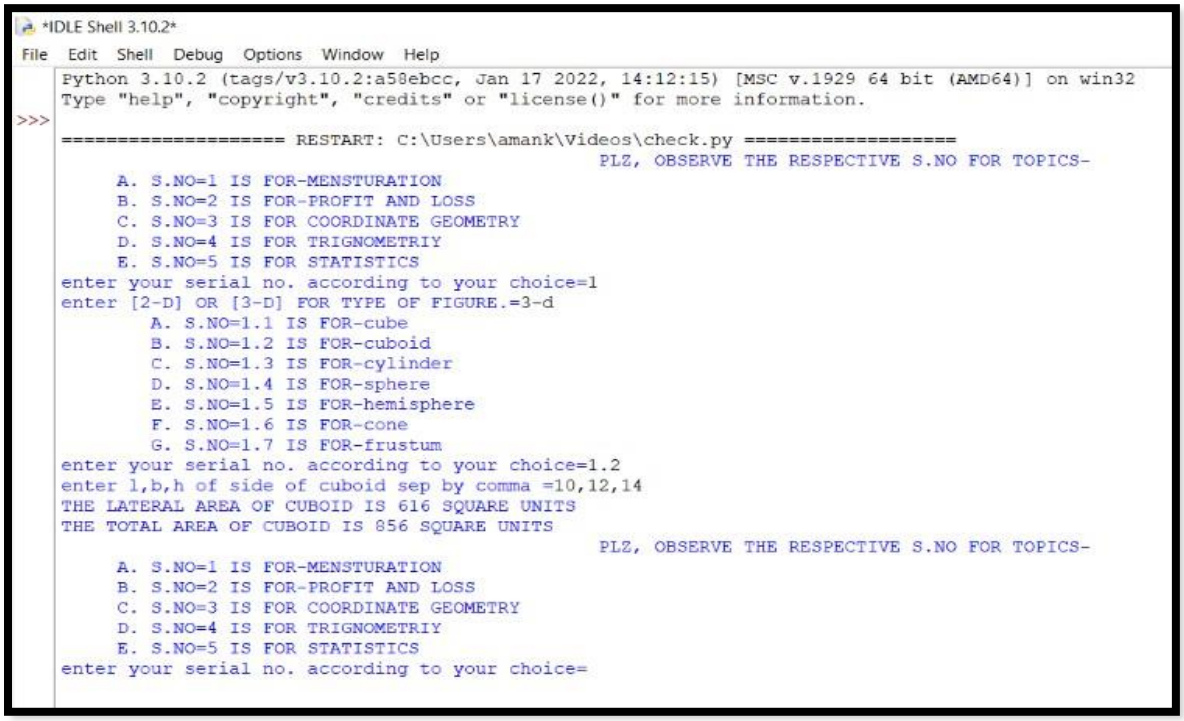
3-DIMENSIONFIGURES.

CUBE



```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
        A. S.NO=1.1 IS FOR-cube
        B. S.NO=1.2 IS FOR-cuboid
        C. S.NO=1.3 IS FOR-cylinder
        D. S.NO=1.4 IS FOR-sphere
        E. S.NO=1.5 IS FOR-hemisphere
        F. S.NO=1.6 IS FOR-cone
        G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.1
enter length of side of cube=12
THE LATERAL AREA OF CUBE IS 576 SQUARE UNITS
THE TOTAL AREA OF CUBE IS 864 SQUARE UNITS
THE VOLUME OF CUBE IS 1728 UNITS
THE DIAGONAL OF CUBE IS 20.78 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

CUBOID



```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
        A. S.NO=1.1 IS FOR-cube
        B. S.NO=1.2 IS FOR-cuboid
        C. S.NO=1.3 IS FOR-cylinder
        D. S.NO=1.4 IS FOR-sphere
        E. S.NO=1.5 IS FOR-hemisphere
        F. S.NO=1.6 IS FOR-cone
        G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.2
enter l,b,h of side of cuboid sep by comma =10,12,14
THE LATERAL AREA OF CUBOID IS 616 SQUARE UNITS
THE TOTAL AREA OF CUBOID IS 856 SQUARE UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

CYLINDER

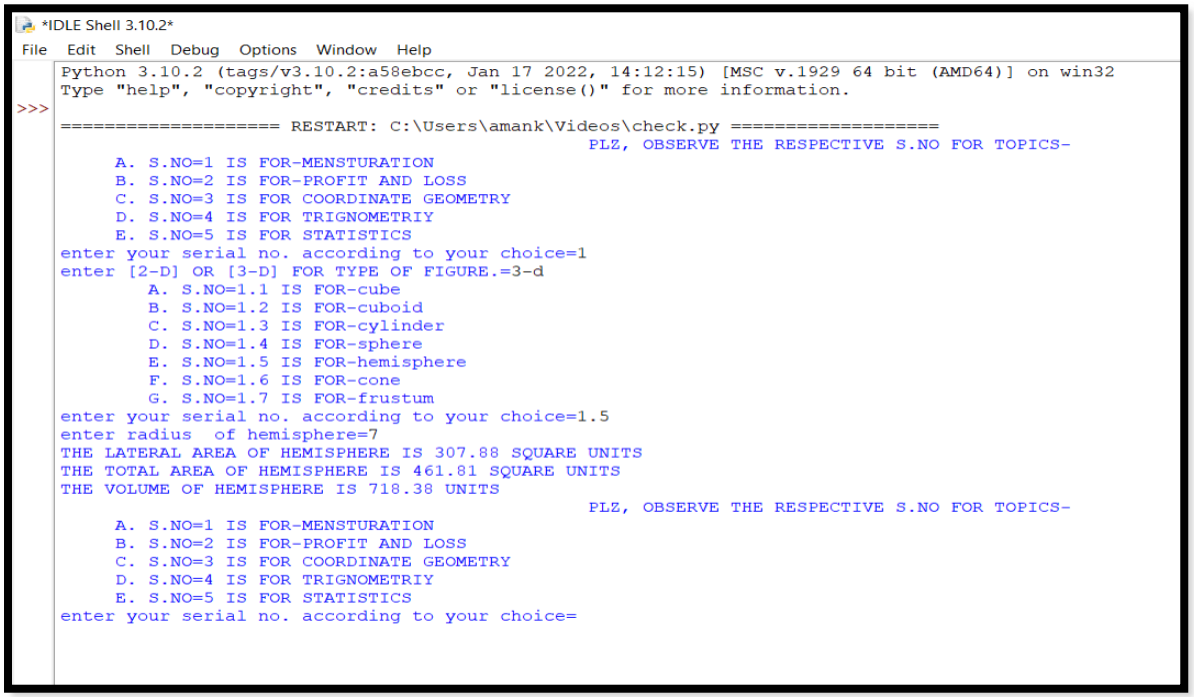
```
Edit  Shell  Debug  Options  Window  Help
ython 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
ype "help", "copyright", "credits" or "license()" for more information.

========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
    A. S.NO=1 IS FOR-MENSTURATION
    B. S.NO=2 IS FOR-PROFIT AND LOSS
    C. S.NO=3 IS FOR COORDINATE GEOMETRY
    D. S.NO=4 IS FOR TRIGNOMETRIY
    E. S.NO=5 IS FOR STATISTICS
nter your serial no. according to your choice=1
nter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
       A. S.NO=1.1 IS FOR-cube
       B. S.NO=1.2 IS FOR-cuboid
       C. S.NO=1.3 IS FOR-cylinder
       D. S.NO=1.4 IS FOR-sphere
       E. S.NO=1.5 IS FOR-hemisphere
       F. S.NO=1.6 IS FOR-cone
       G. S.NO=1.7 IS FOR-frustum
nter your serial no. according to your choice=1.3
nter  rad and he of cylinder sep by comma =7,14
HE CURVED AREA OF CYLINDER IS 615.75 SQUARE UNITS
HE TOTAL AREA OF CYLINDER IS 923.63 SQUARE UNITS
HE VOLUME OF CYLINDER IS 2155.13 UNITS
HE DIAGONAL OF CYLINDER IS 19.8 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
    A. S.NO=1 IS FOR-MENSTURATION
    B. S.NO=2 IS FOR-PROFIT AND LOSS
    C. S.NO=3 IS FOR COORDINATE GEOMETRY
    D. S.NO=4 IS FOR TRIGNOMETRIY
    E. S.NO=5 IS FOR STATISTICS
nter your serial no. according to your choice=
```

SPHERE

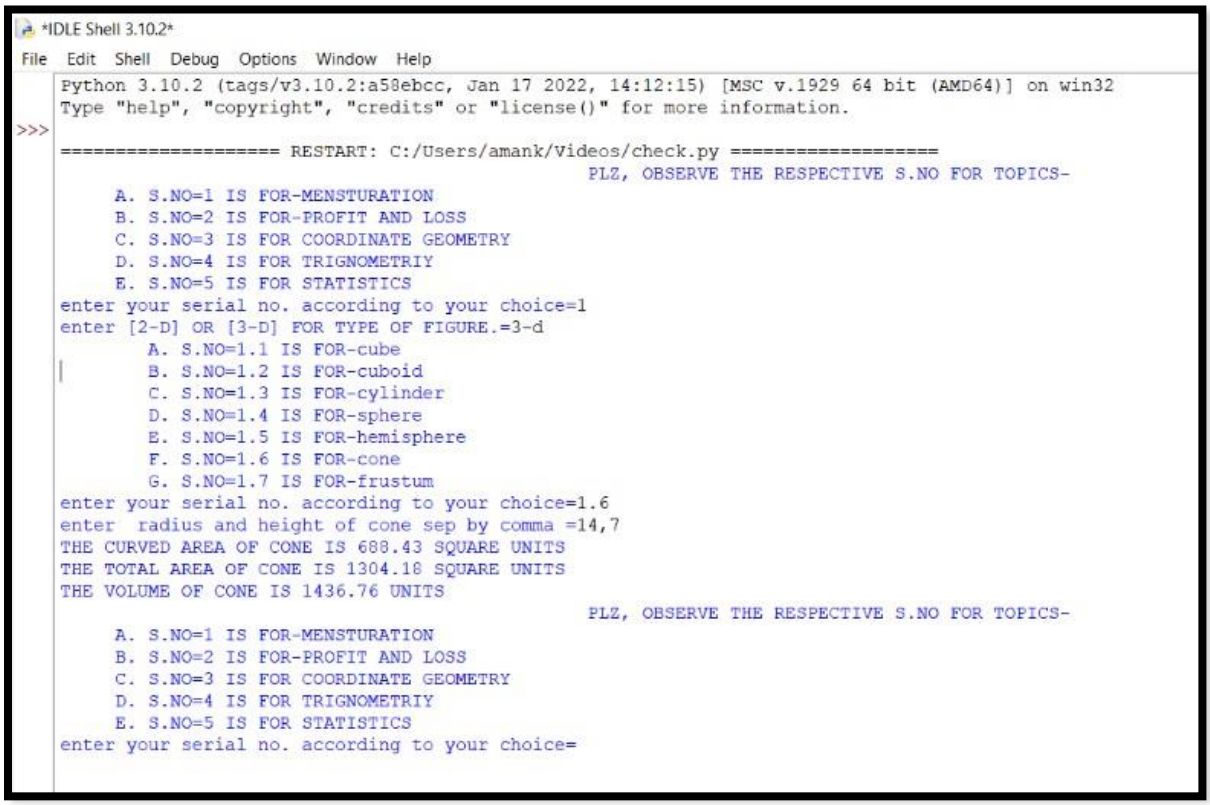
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
       A. S.NO=1.1 IS FOR-cube
       B. S.NO=1.2 IS FOR-cuboid
       C. S.NO=1.3 IS FOR-cylinder
       D. S.NO=1.4 IS FOR-sphere
       E. S.NO=1.5 IS FOR-hemisphere
       F. S.NO=1.6 IS FOR-cone
       G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.4
enter radius  of sphere=7
THE TOTAL AREA OF SPHERE IS 615.75 SQUARE UNITS
THE VOLUME OF SPHERE IS 1436.76 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

HEMISPHERE



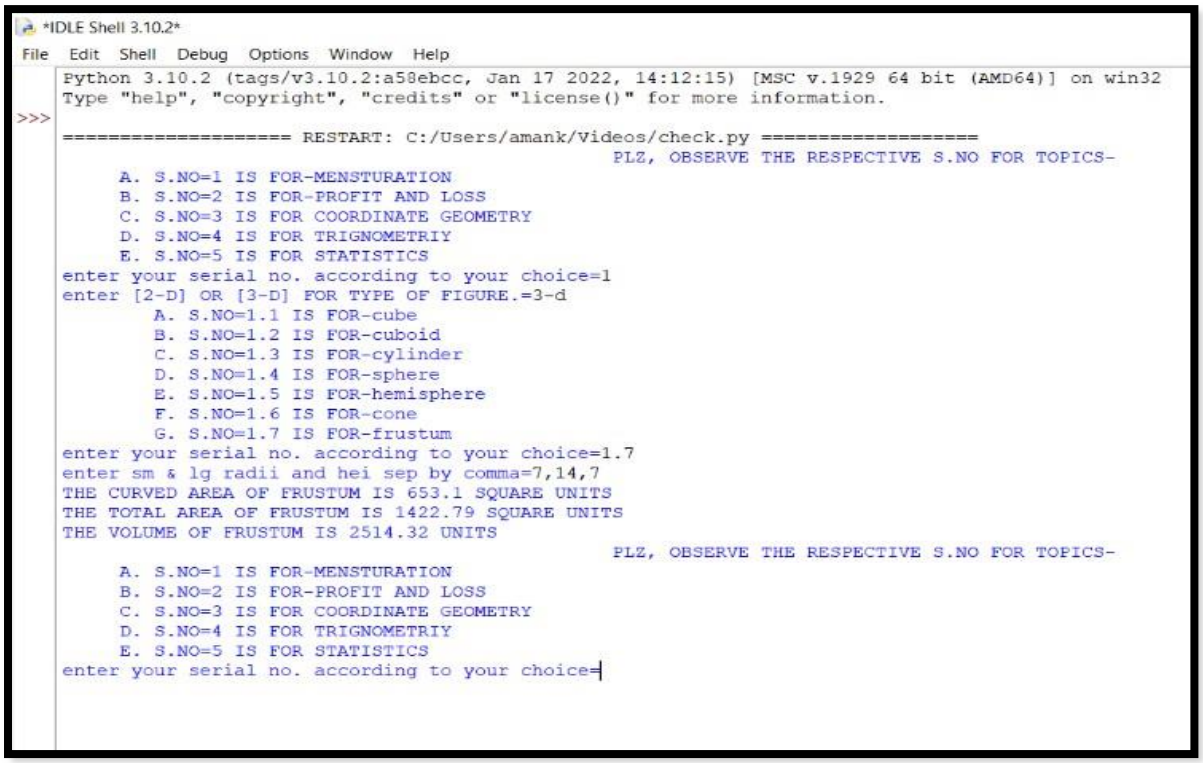
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
        A. S.NO=1.1 IS FOR-cube
        B. S.NO=1.2 IS FOR-cuboid
        C. S.NO=1.3 IS FOR-cylinder
        D. S.NO=1.4 IS FOR-sphere
        E. S.NO=1.5 IS FOR-hemisphere
        F. S.NO=1.6 IS FOR-cone
        G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.5
enter radius  of hemisphere=7
THE LATERAL AREA OF HEMISPHERE IS 307.88 SQUARE UNITS
THE TOTAL AREA OF HEMISPHERE IS 461.81 SQUARE UNITS
THE VOLUME OF HEMISPHERE IS 718.38 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

CONE



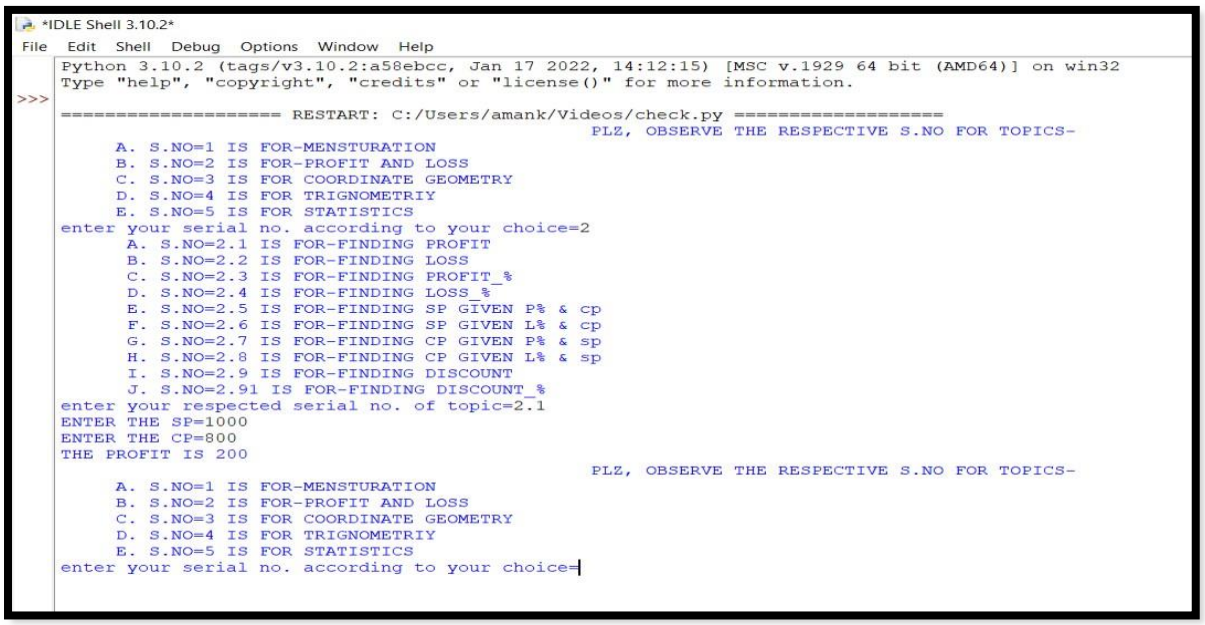
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/amank/Videos/check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
        A. S.NO=1.1 IS FOR-cube
        B. S.NO=1.2 IS FOR-cuboid
        C. S.NO=1.3 IS FOR-cylinder
        D. S.NO=1.4 IS FOR-sphere
        E. S.NO=1.5 IS FOR-hemisphere
        F. S.NO=1.6 IS FOR-cone
        G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.6
enter  radius and height of cone sep by comma =14,7
THE CURVED AREA OF CONE IS 688.43 SQUARE UNITS
THE TOTAL AREA OF CONE IS 1304.18 SQUARE UNITS
THE VOLUME OF CONE IS 1436.76 UNITS
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

FRUSTUM

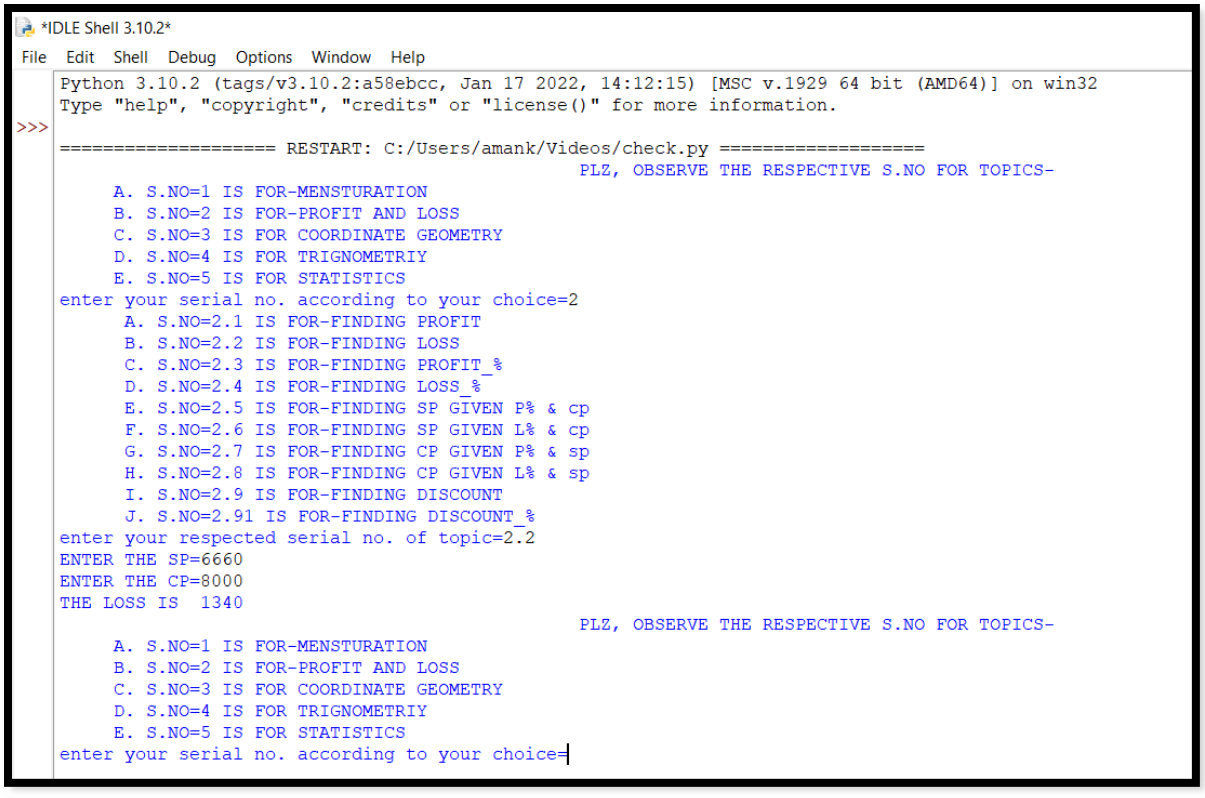

IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/amank/Videos/check.py ==========
PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
A. S.NO=1 IS FOR-MENSTURATION
B. S.NO=2 IS FOR-PROFIT AND LOSS
C. S.NO=3 IS FOR COORDINATE GEOMETRY
D. S.NO=4 IS FOR TRIGNOMETRIY
E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=1
enter [2-D] OR [3-D] FOR TYPE OF FIGURE.=3-d
A. S.NO=1.1 IS FOR-cube
B. S.NO=1.2 IS FOR-cuboid
C. S.NO=1.3 IS FOR-cylinder
D. S.NO=1.4 IS FOR-sphere
E. S.NO=1.5 IS FOR-hemisphere
F. S.NO=1.6 IS FOR-cone
G. S.NO=1.7 IS FOR-frustum
enter your serial no. according to your choice=1.7
enter sm & lg radii and hei sep by comma=7,14,7
THE CURVED AREA OF FRUSTUM IS 653.1 SQUARE UNITS
THE TOTAL AREA OF FRUSTUM IS 1422.79 SQUARE UNITS
THE VOLUME OF FRUSTUM IS 2514.32 UNITS
PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
A. S.NO=1 IS FOR-MENSTURATION
B. S.NO=2 IS FOR-PROFIT AND LOSS
C. S.NO=3 IS FOR COORDINATE GEOMETRY
D. S.NO=4 IS FOR TRIGNOMETRIY
E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=

COMMERCIALMATHEMATICS.

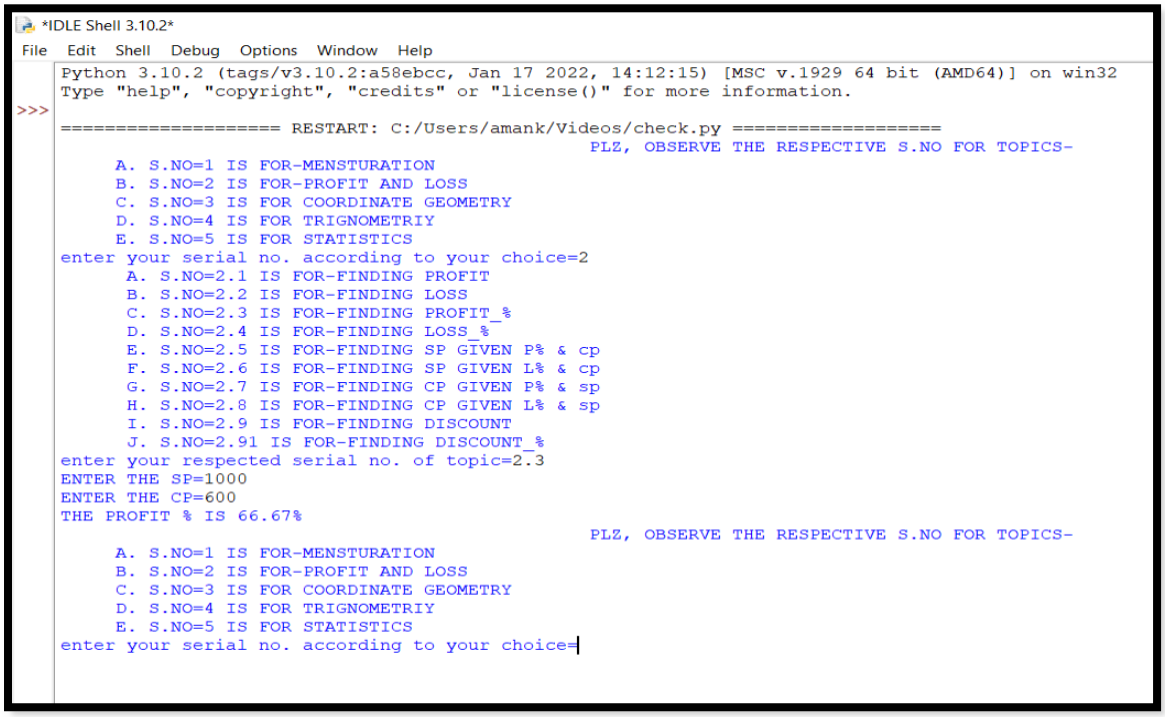
PROFIT



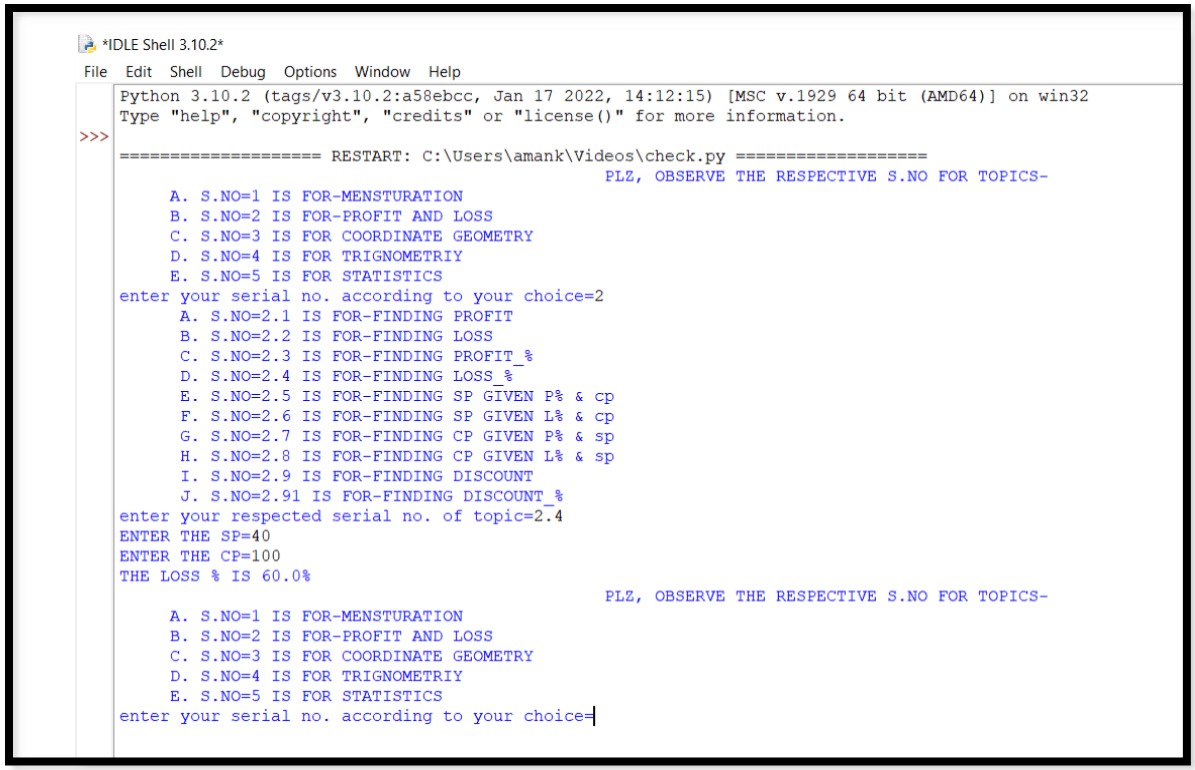
LOSS



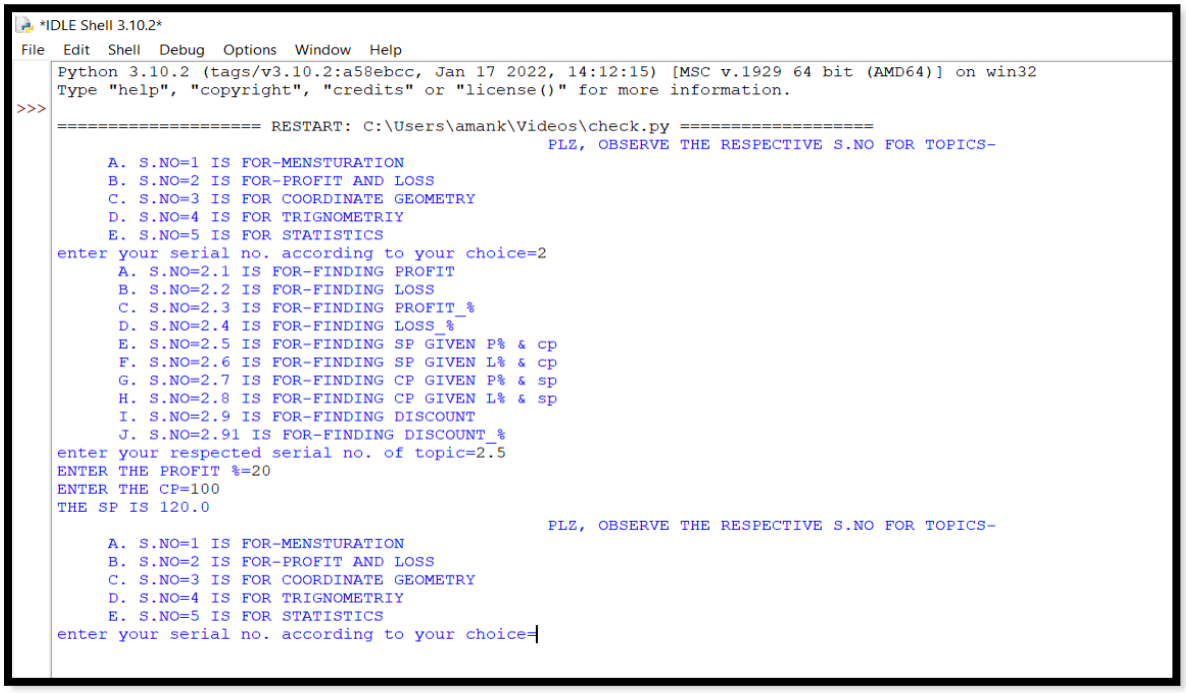
PROFIT PERCENT



LOSSPERCENT

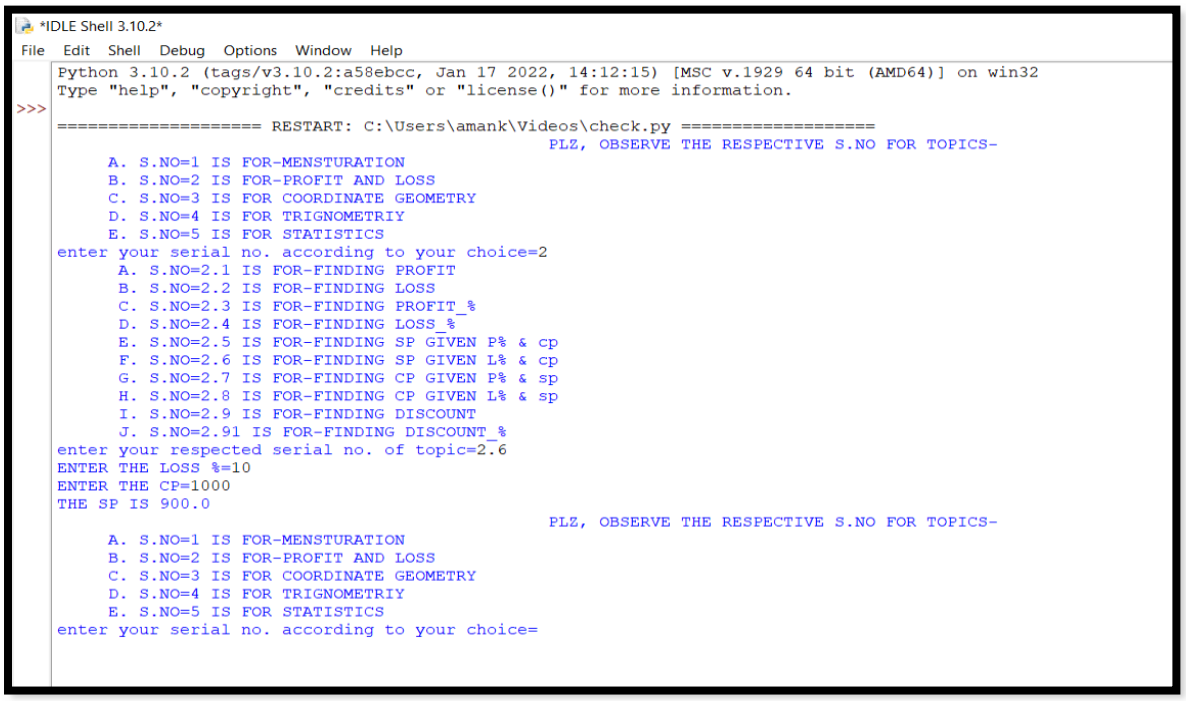


SP -GIVENP%AND CP



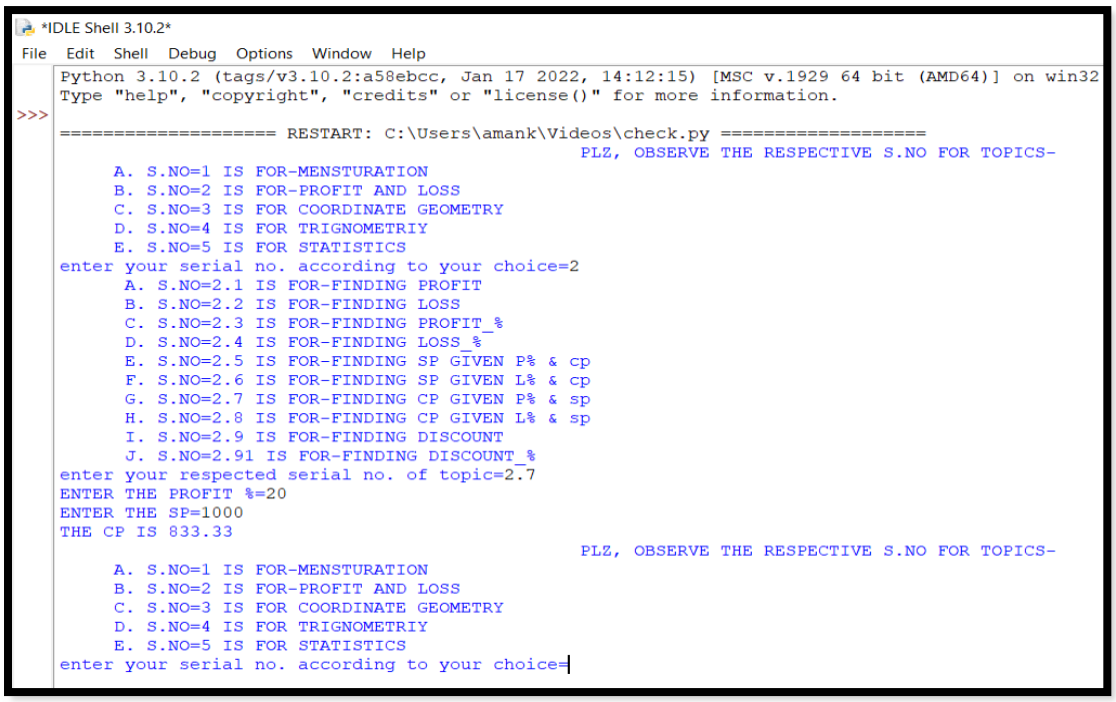
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=2
      A. S.NO=2.1 IS FOR-FINDING PROFIT
      B. S.NO=2.2 IS FOR-FINDING LOSS
      C. S.NO=2.3 IS FOR-FINDING PROFIT_%
      D. S.NO=2.4 IS FOR-FINDING LOSS_%
      E. S.NO=2.5 IS FOR-FINDING SP GIVEN P% & cp
      F. S.NO=2.6 IS FOR-FINDING SP GIVEN L% & cp
      G. S.NO=2.7 IS FOR-FINDING CP GIVEN P% & sp
      H. S.NO=2.8 IS FOR-FINDING CP GIVEN L% & sp
      I. S.NO=2.9 IS FOR-FINDING DISCOUNT
      J. S.NO=2.91 IS FOR-FINDING DISCOUNT_%
enter your respected serial no. of topic=2.5
ENTER THE PROFIT %=20
ENTER THE CP=100
THE SP IS 120.0
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

FINDINGSP-GIVENL% ANDCP



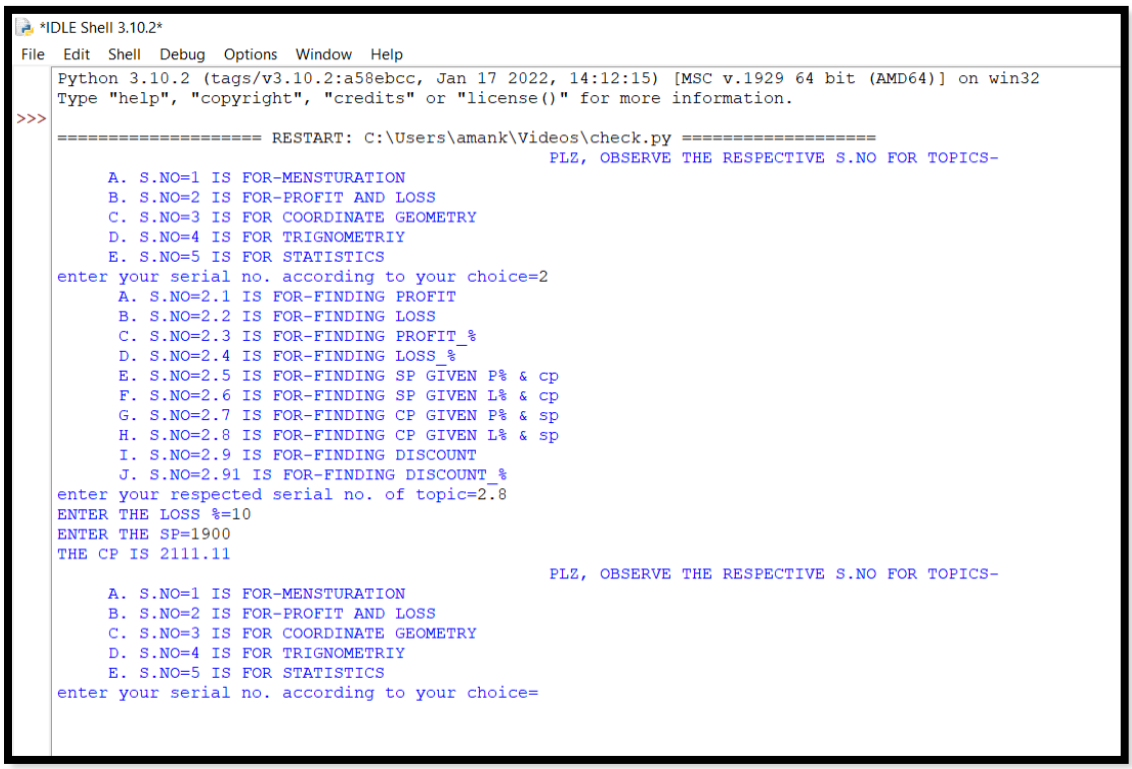
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\amank\Videos\check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=2
      A. S.NO=2.1 IS FOR-FINDING PROFIT
      B. S.NO=2.2 IS FOR-FINDING LOSS
      C. S.NO=2.3 IS FOR-FINDING PROFIT_%
      D. S.NO=2.4 IS FOR-FINDING LOSS_%
      E. S.NO=2.5 IS FOR-FINDING SP GIVEN P% & cp
      F. S.NO=2.6 IS FOR-FINDING SP GIVEN L% & cp
      G. S.NO=2.7 IS FOR-FINDING CP GIVEN P% & sp
      H. S.NO=2.8 IS FOR-FINDING CP GIVEN L% & sp
      I. S.NO=2.9 IS FOR-FINDING DISCOUNT
      J. S.NO=2.91 IS FOR-FINDING DISCOUNT_%
enter your respected serial no. of topic=2.6
ENTER THE LOSS %=10
ENTER THE CP=1000
THE SP IS 900.0
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

CP-GIVENP%ANDSP



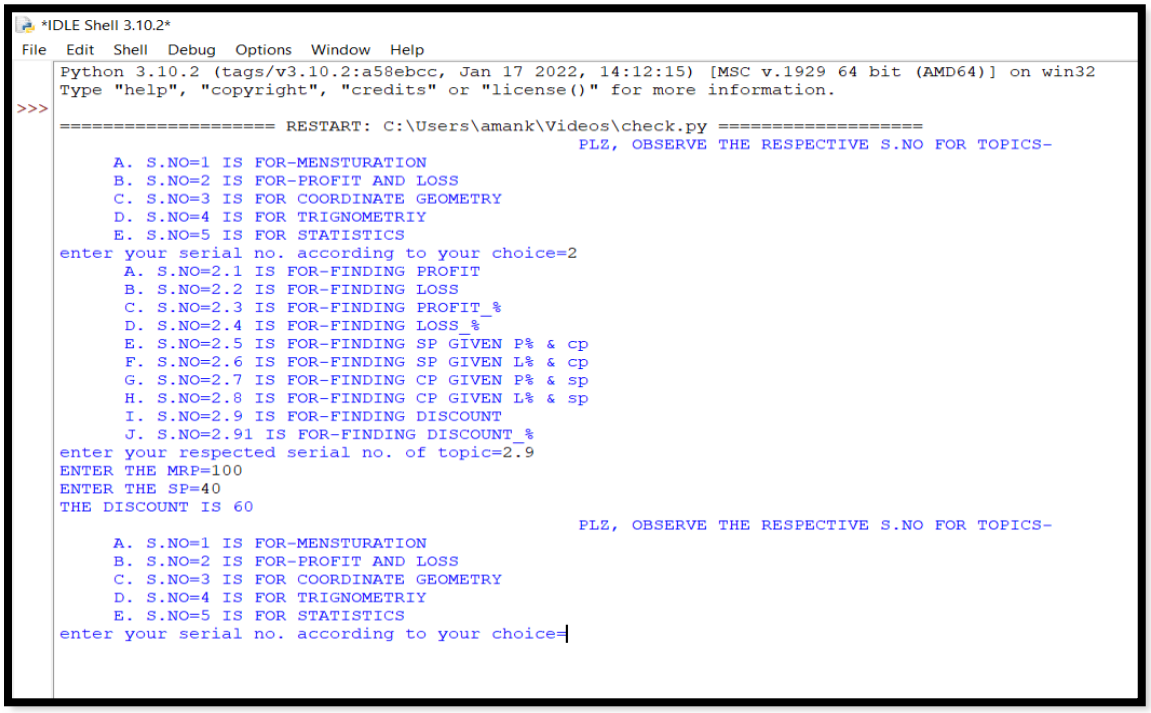
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:\Users\amank\Videos\check.py ====================
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=2
      A. S.NO=2.1 IS FOR-FINDING PROFIT
      B. S.NO=2.2 IS FOR-FINDING LOSS
      C. S.NO=2.3 IS FOR-FINDING PROFIT_%
      D. S.NO=2.4 IS FOR-FINDING LOSS_%
      E. S.NO=2.5 IS FOR-FINDING SP GIVEN P% & cp
      F. S.NO=2.6 IS FOR-FINDING SP GIVEN L% & cp
      G. S.NO=2.7 IS FOR-FINDING CP GIVEN P% & sp
      H. S.NO=2.8 IS FOR-FINDING CP GIVEN L% & sp
      I. S.NO=2.9 IS FOR-FINDING DISCOUNT
      J. S.NO=2.91 IS FOR-FINDING DISCOUNT_%
enter your respected serial no. of topic=2.7
ENTER THE PROFIT %=20
ENTER THE SP=1000
THE CP IS 833.33
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

CP-GIVENL%ANDSP

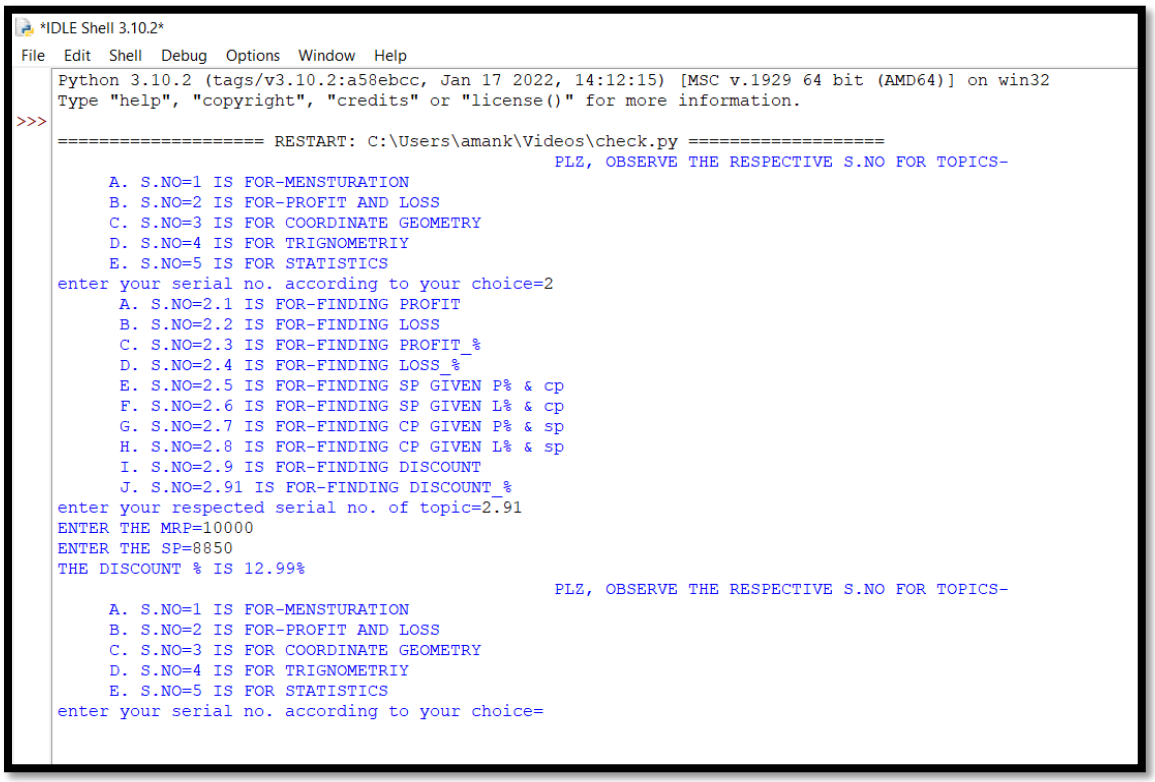


```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:\Users\amank\Videos\check.py ====================
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=2
      A. S.NO=2.1 IS FOR-FINDING PROFIT
      B. S.NO=2.2 IS FOR-FINDING LOSS
      C. S.NO=2.3 IS FOR-FINDING PROFIT_%
      D. S.NO=2.4 IS FOR-FINDING LOSS_%
      E. S.NO=2.5 IS FOR-FINDING SP GIVEN P% & cp
      F. S.NO=2.6 IS FOR-FINDING SP GIVEN L% & cp
      G. S.NO=2.7 IS FOR-FINDING CP GIVEN P% & sp
      H. S.NO=2.8 IS FOR-FINDING CP GIVEN L% & sp
      I. S.NO=2.9 IS FOR-FINDING DISCOUNT
      J. S.NO=2.91 IS FOR-FINDING DISCOUNT_%
enter your respected serial no. of topic=2.8
ENTER THE LOSS %=10
ENTER THE SP=1900
THE CP IS 2111.11
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

DISCOUNT

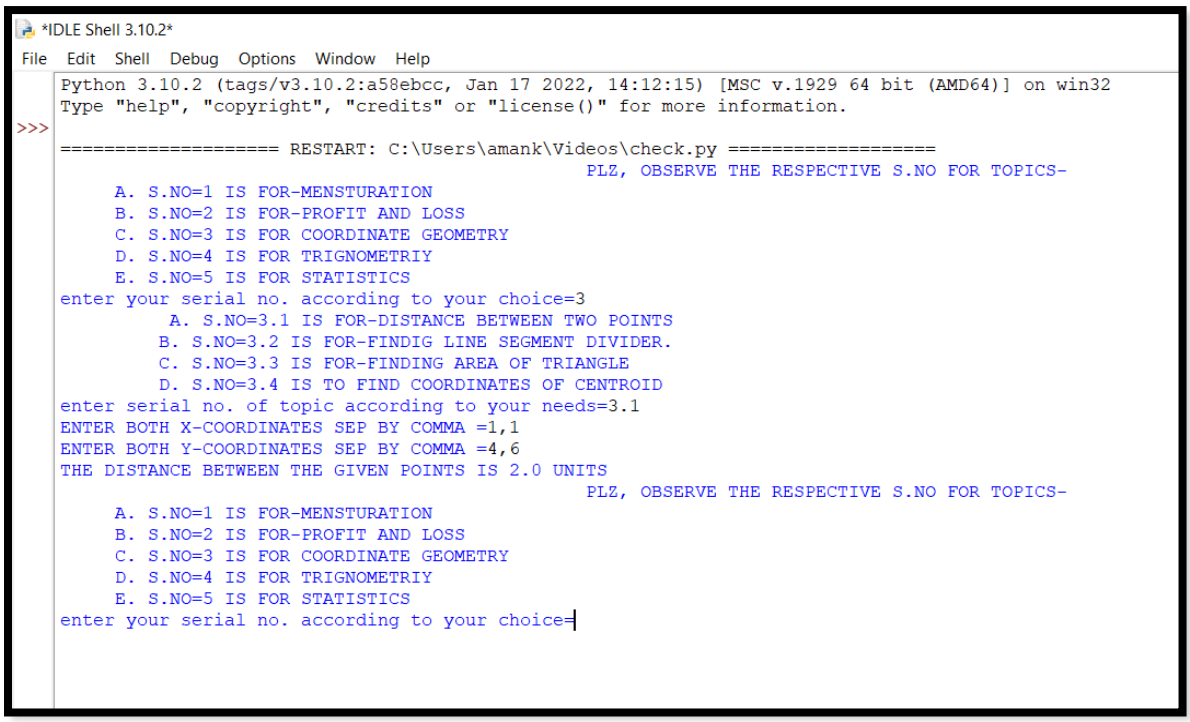


DISCOUNTPERCENT

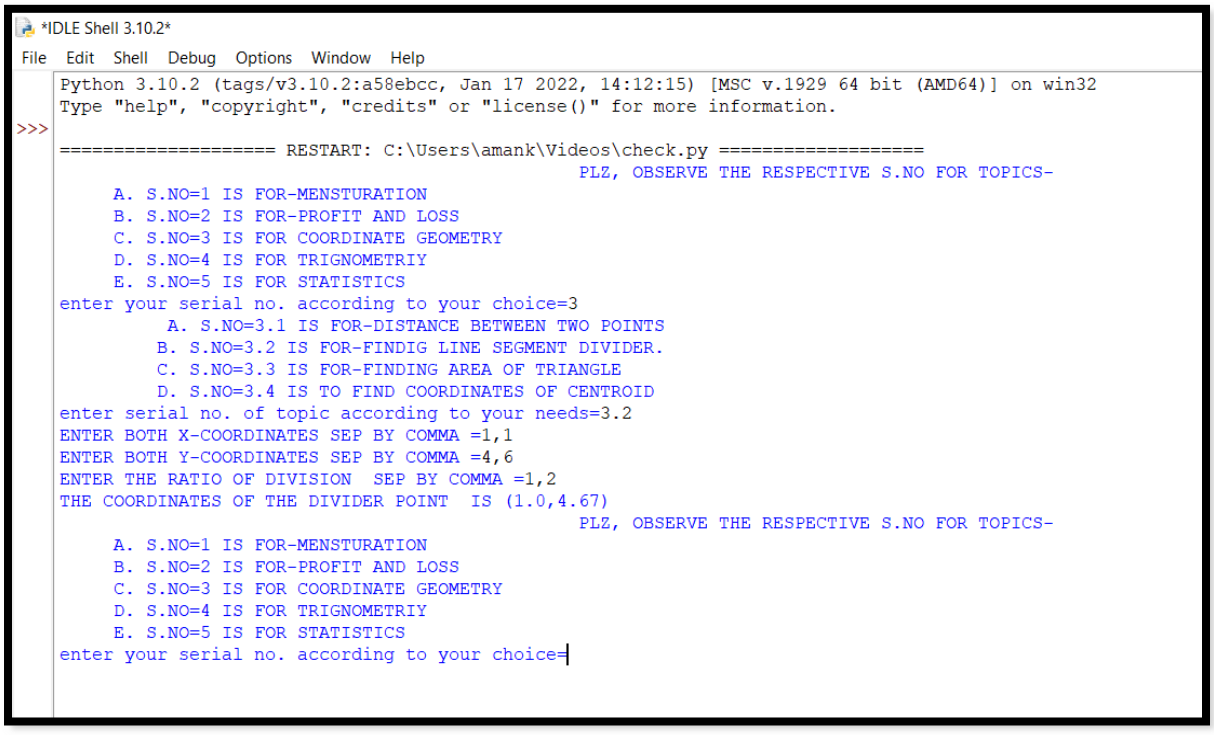


COORDINATEGEOMETRY

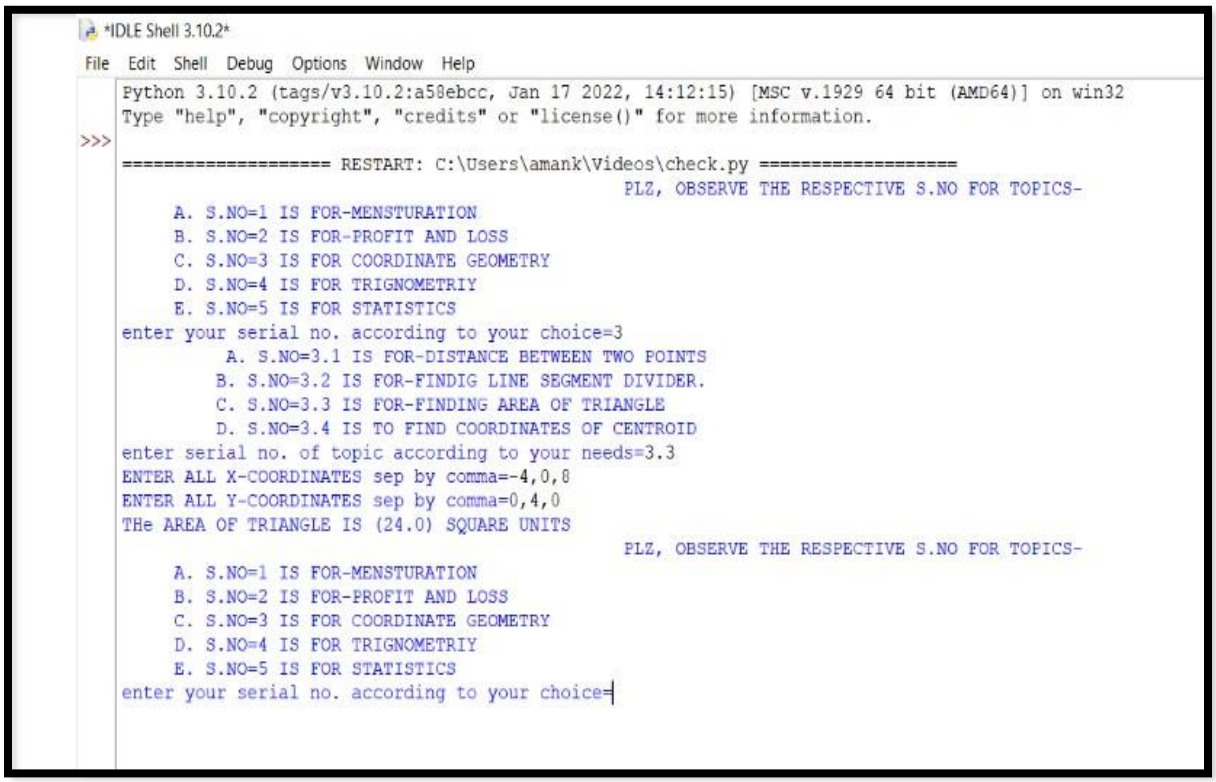
DISTANCEBETWEENPOINTS



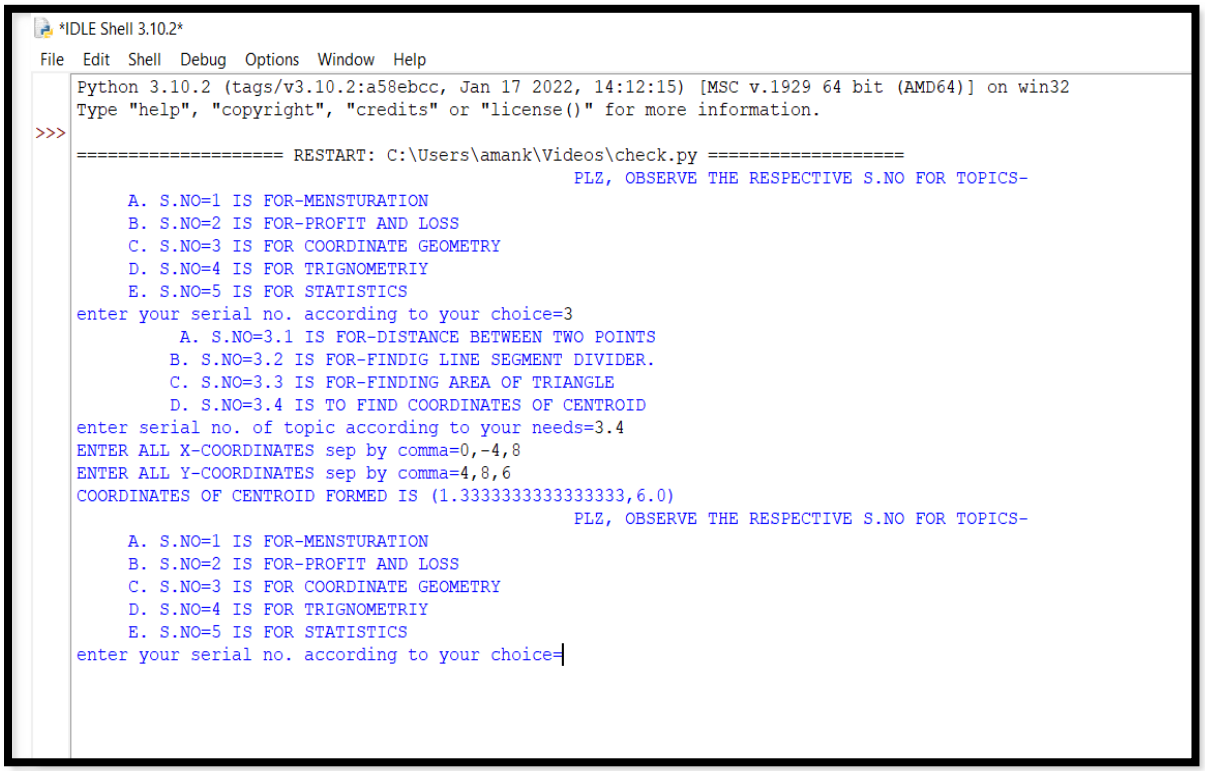
DIVIDER POINT



AREAOFTRIANGLE

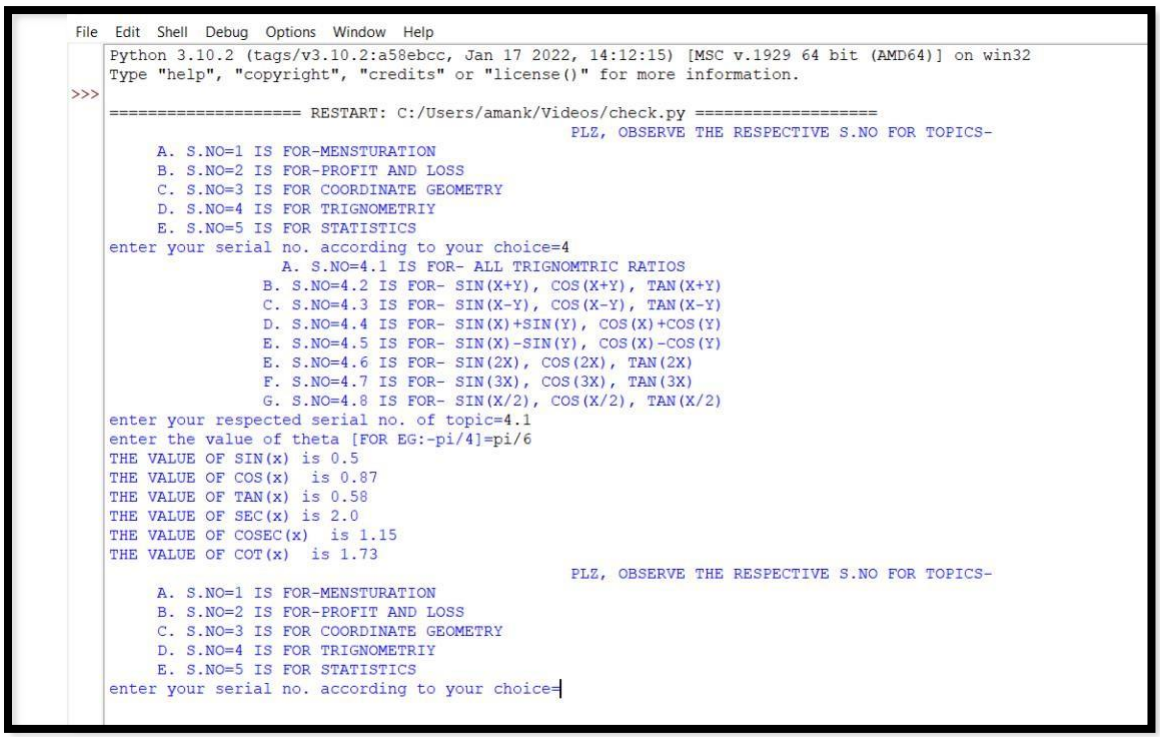


CENTROIDFINDER



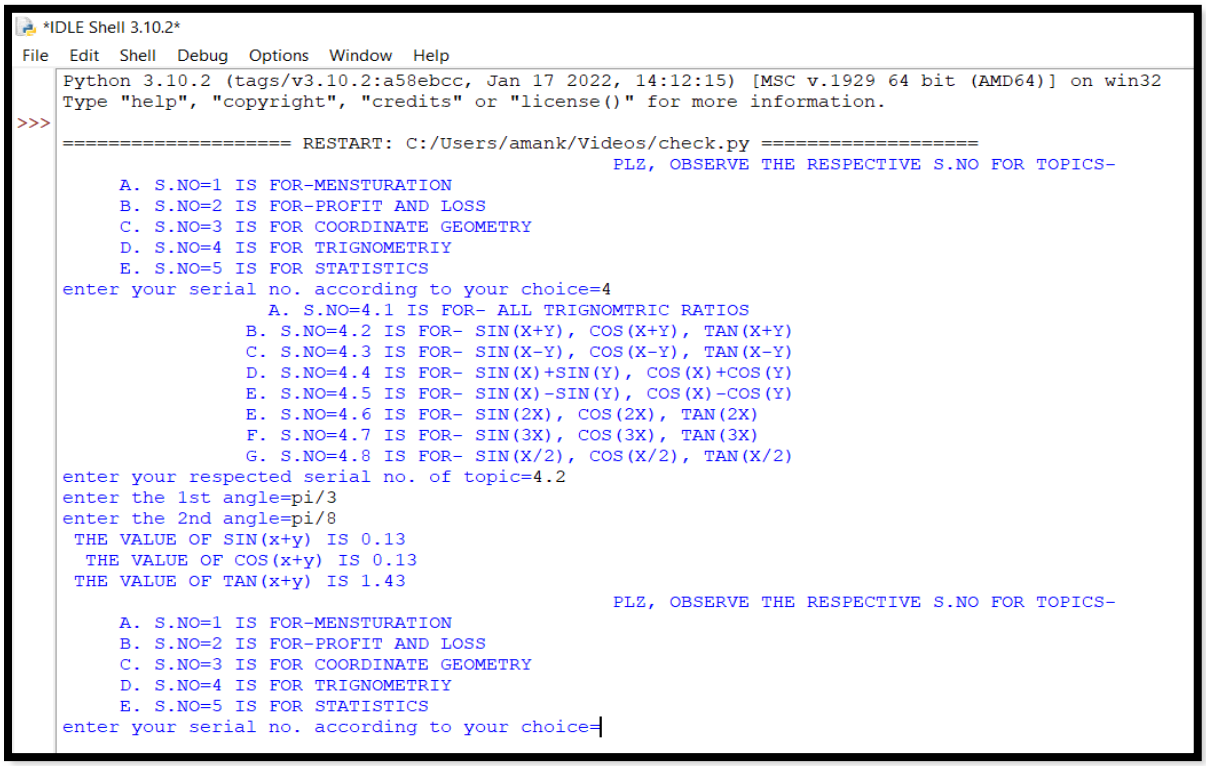
TRIGNOMETRIC-RELATEDOPERATIONS.

ALLTRIGNOMTETRIC FUNCTIONS



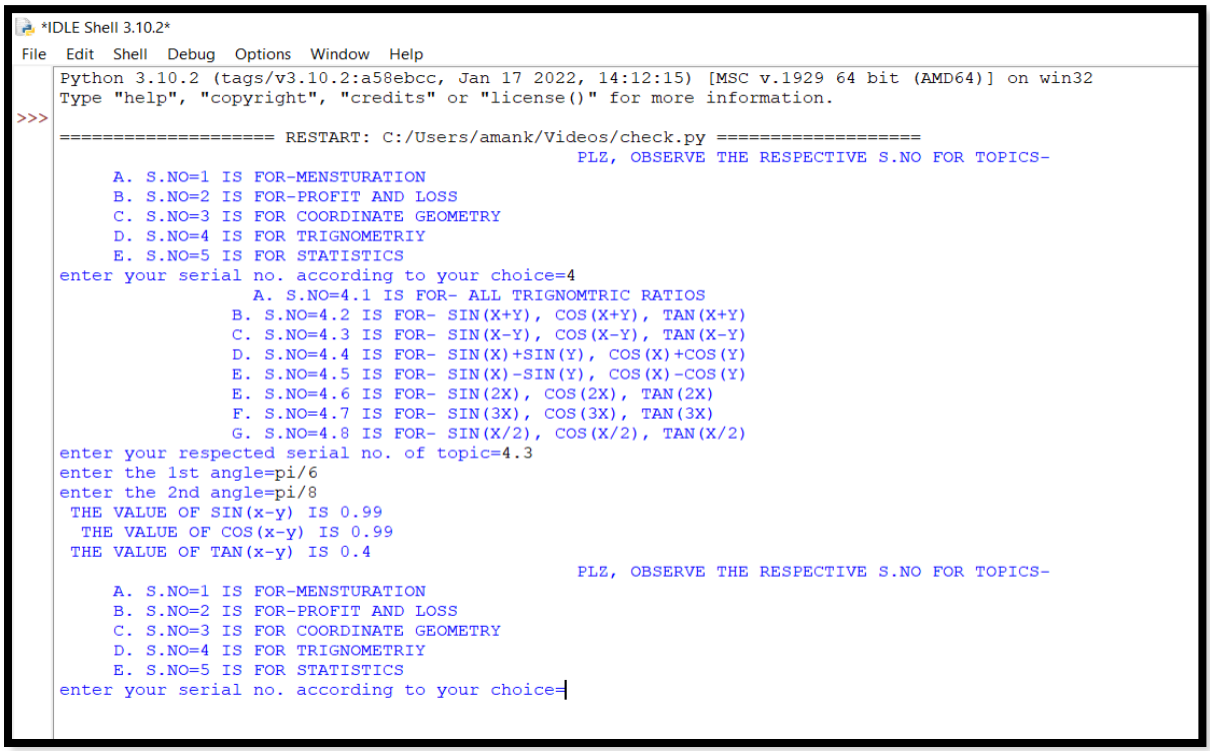
```
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/amank/Videos/check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=4
                A. S.NO=4.1 IS FOR- ALL TRIGNOMTRIC RATIOS
               B. S.NO=4.2 IS FOR- SIN(X+Y), COS(X+Y), TAN(X+Y)
               C. S.NO=4.3 IS FOR- SIN(X-Y), COS(X-Y), TAN(X-Y)
               D. S.NO=4.4 IS FOR- SIN(X)+SIN(Y), COS(X)+COS(Y)
               E. S.NO=4.5 IS FOR- SIN(X)-SIN(Y), COS(X)-COS(Y)
               E. S.NO=4.6 IS FOR- SIN(2X), COS(2X), TAN(2X)
               F. S.NO=4.7 IS FOR- SIN(3X), COS(3X), TAN(3X)
               G. S.NO=4.8 IS FOR- SIN(X/2), COS(X/2), TAN(X/2)
enter your respected serial no. of topic=4.1
enter the value of theta [FOR EG:-pi/4]=pi/6
THE VALUE OF SIN(x) is 0.5
THE VALUE OF COS(x)  is 0.87
THE VALUE OF TAN(x) is 0.58
THE VALUE OF SEC(x) is 2.0
THE VALUE OF COSEC(x)  is 1.15
THE VALUE OF COT(x)  is 1.73
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

SUM OFANGLES



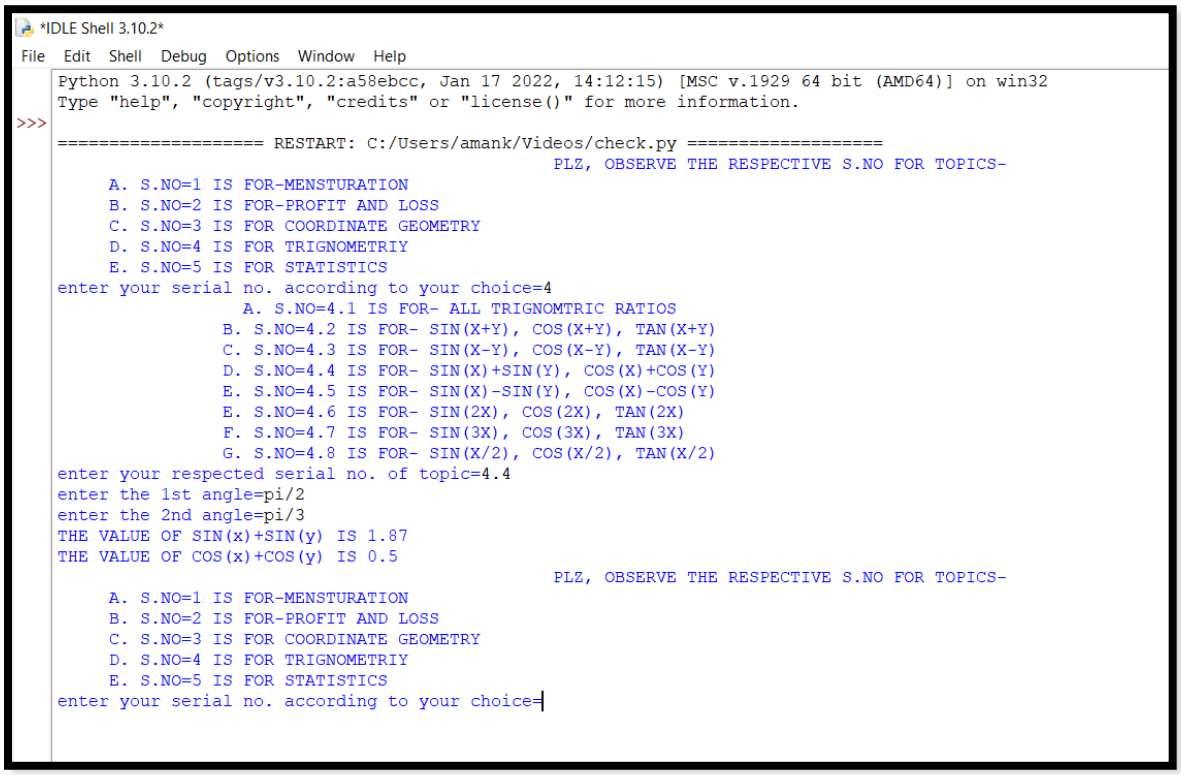
```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/amank/Videos/check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=4
                A. S.NO=4.1 IS FOR- ALL TRIGNOMTRIC RATIOS
               B. S.NO=4.2 IS FOR- SIN(X+Y), COS(X+Y), TAN(X+Y)
               C. S.NO=4.3 IS FOR- SIN(X-Y), COS(X-Y), TAN(X-Y)
               D. S.NO=4.4 IS FOR- SIN(X)+SIN(Y), COS(X)+COS(Y)
               E. S.NO=4.5 IS FOR- SIN(X)-SIN(Y), COS(X)-COS(Y)
               E. S.NO=4.6 IS FOR- SIN(2X), COS(2X), TAN(2X)
               F. S.NO=4.7 IS FOR- SIN(3X), COS(3X), TAN(3X)
               G. S.NO=4.8 IS FOR- SIN(X/2), COS(X/2), TAN(X/2)
enter your respected serial no. of topic=4.2
enter the 1st angle=pi/3
enter the 2nd angle=pi/8
 THE VALUE OF SIN(x+y) IS 0.13
  THE VALUE OF COS(x+y) IS 0.13
 THE VALUE OF TAN(x+y) IS 1.43
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

DIFFERENCEOFANGLES



```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:/Users/amank/Videos/check.py ====================
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=4
                  A. S.NO=4.1 IS FOR- ALL TRIGNOMTRIC RATIOS
                B. S.NO=4.2 IS FOR- SIN(X+Y), COS(X+Y), TAN(X+Y)
                C. S.NO=4.3 IS FOR- SIN(X-Y), COS(X-Y), TAN(X-Y)
                D. S.NO=4.4 IS FOR- SIN(X)+SIN(Y), COS(X)+COS(Y)
                E. S.NO=4.5 IS FOR- SIN(X)-SIN(Y), COS(X)-COS(Y)
                E. S.NO=4.6 IS FOR- SIN(2X), COS(2X), TAN(2X)
                F. S.NO=4.7 IS FOR- SIN(3X), COS(3X), TAN(3X)
                G. S.NO=4.8 IS FOR- SIN(X/2), COS(X/2), TAN(X/2)
enter your respected serial no. of topic=4.3
enter the 1st angle=pi/6
enter the 2nd angle=pi/8
 THE VALUE OF SIN(x-y) IS 0.99
  THE VALUE OF COS(x-y) IS 0.99
 THE VALUE OF TAN(x-y) IS 0.4
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```

SUMOF TRIG.VALUESOFANGLES



```
*IDLE Shell 3.10.2*
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>>>
==================== RESTART: C:/Users/amank/Videos/check.py ====================
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=4
                  A. S.NO=4.1 IS FOR- ALL TRIGNOMTRIC RATIOS
                B. S.NO=4.2 IS FOR- SIN(X+Y), COS(X+Y), TAN(X+Y)
                C. S.NO=4.3 IS FOR- SIN(X-Y), COS(X-Y), TAN(X-Y)
                D. S.NO=4.4 IS FOR- SIN(X)+SIN(Y), COS(X)+COS(Y)
                E. S.NO=4.5 IS FOR- SIN(X)-SIN(Y), COS(X)-COS(Y)
                E. S.NO=4.6 IS FOR- SIN(2X), COS(2X), TAN(2X)
                F. S.NO=4.7 IS FOR- SIN(3X), COS(3X), TAN(3X)
                G. S.NO=4.8 IS FOR- SIN(X/2), COS(X/2), TAN(X/2)
enter your respected serial no. of topic=4.4
enter the 1st angle=pi/2
enter the 2nd angle=pi/3
THE VALUE OF SIN(x)+SIN(y) IS 1.87
THE VALUE OF COS(x)+COS(y) IS 0.5
                                                PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```
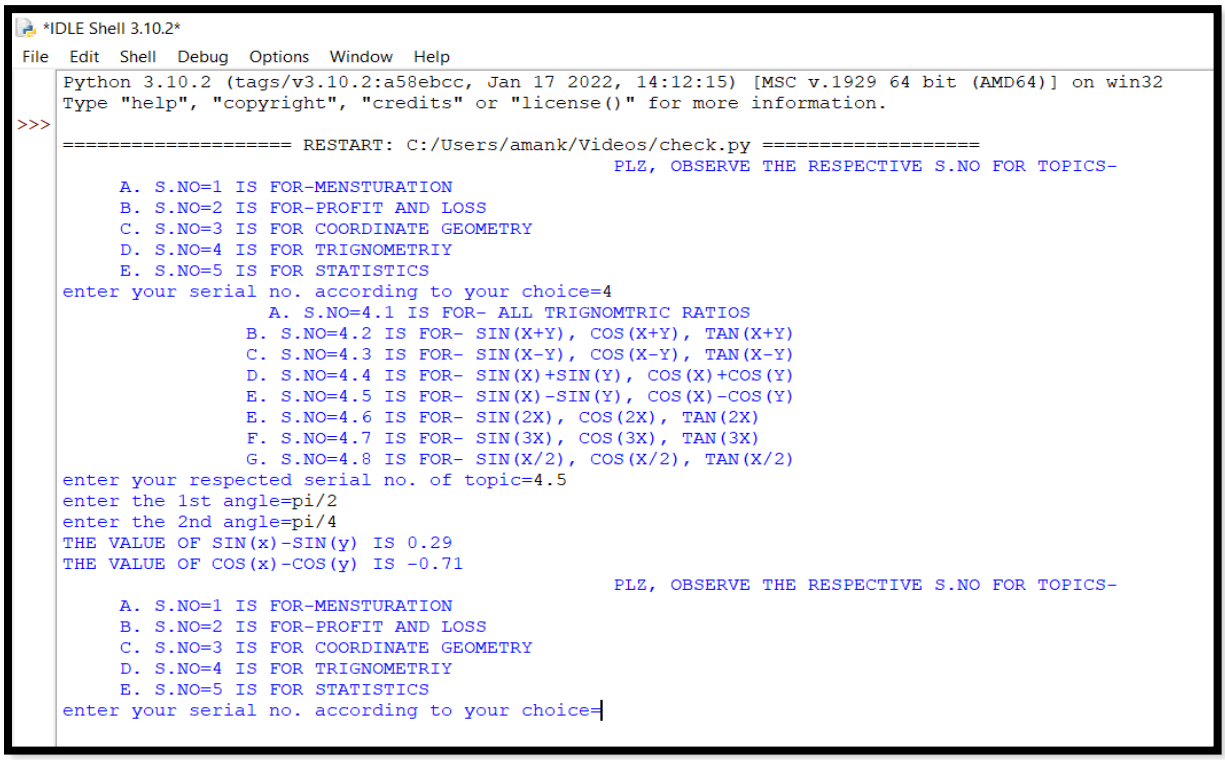
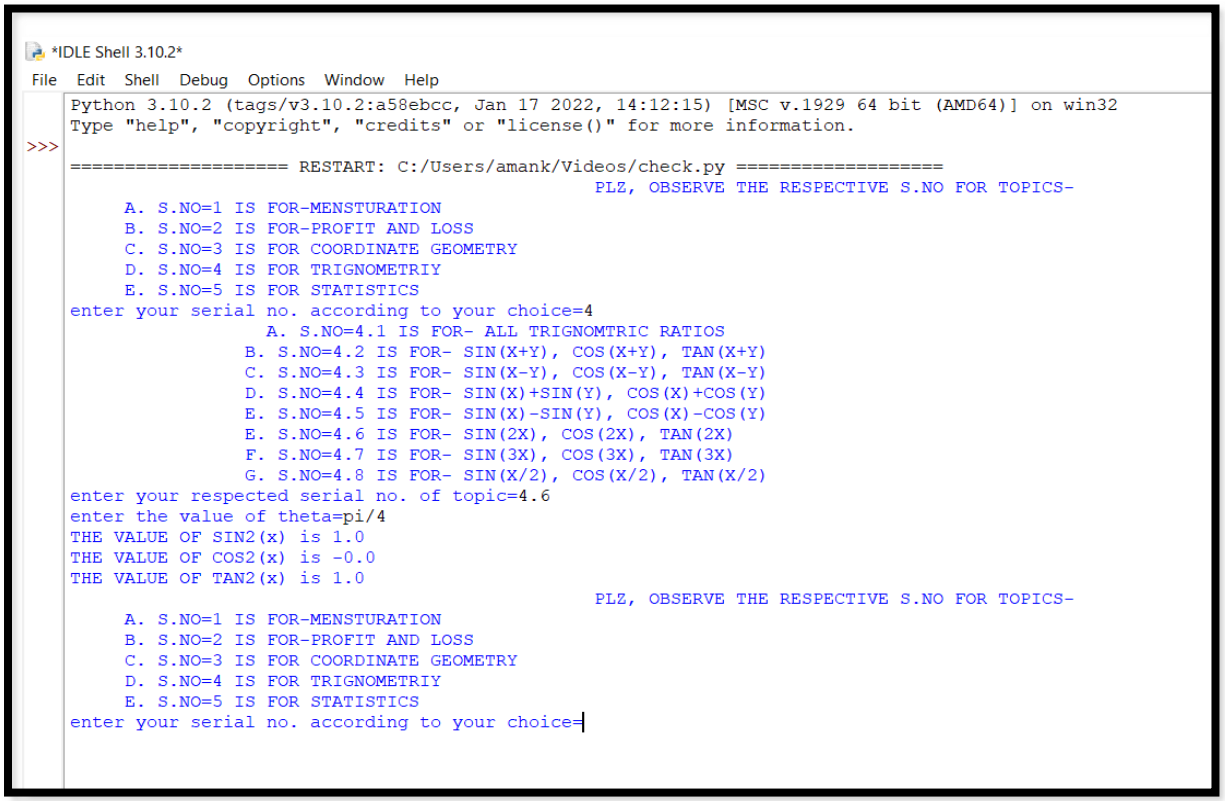
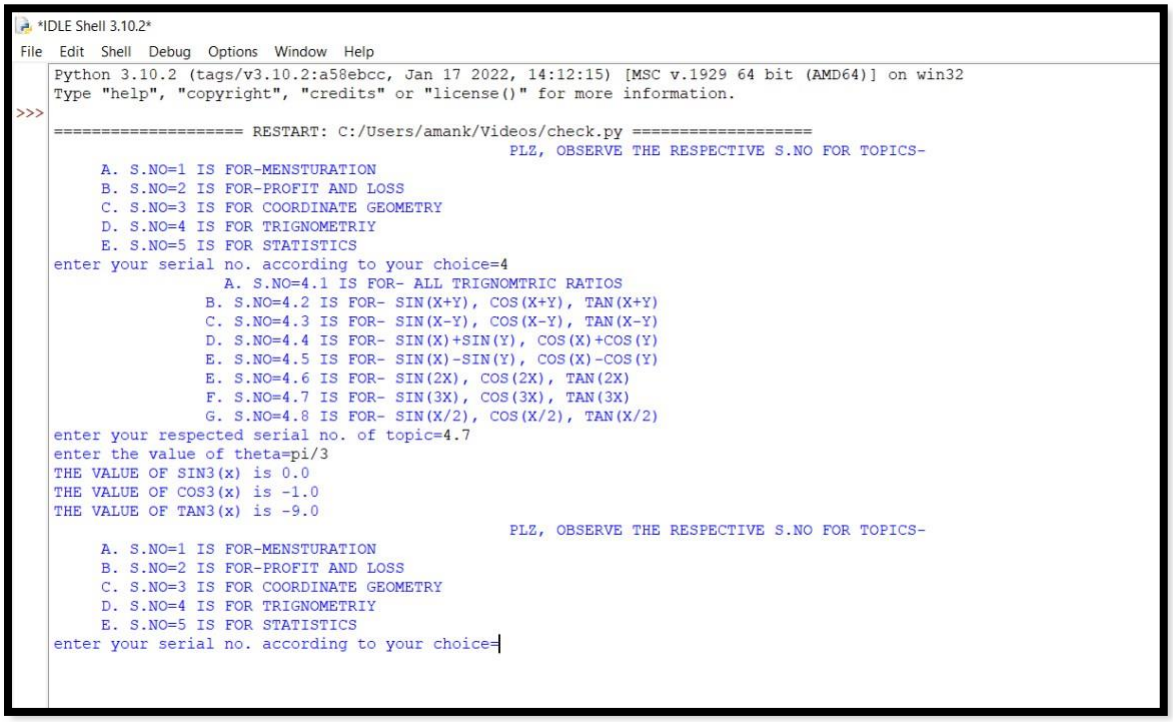

DIFFERENCEOFTRIG.VALUESOF ANGLES



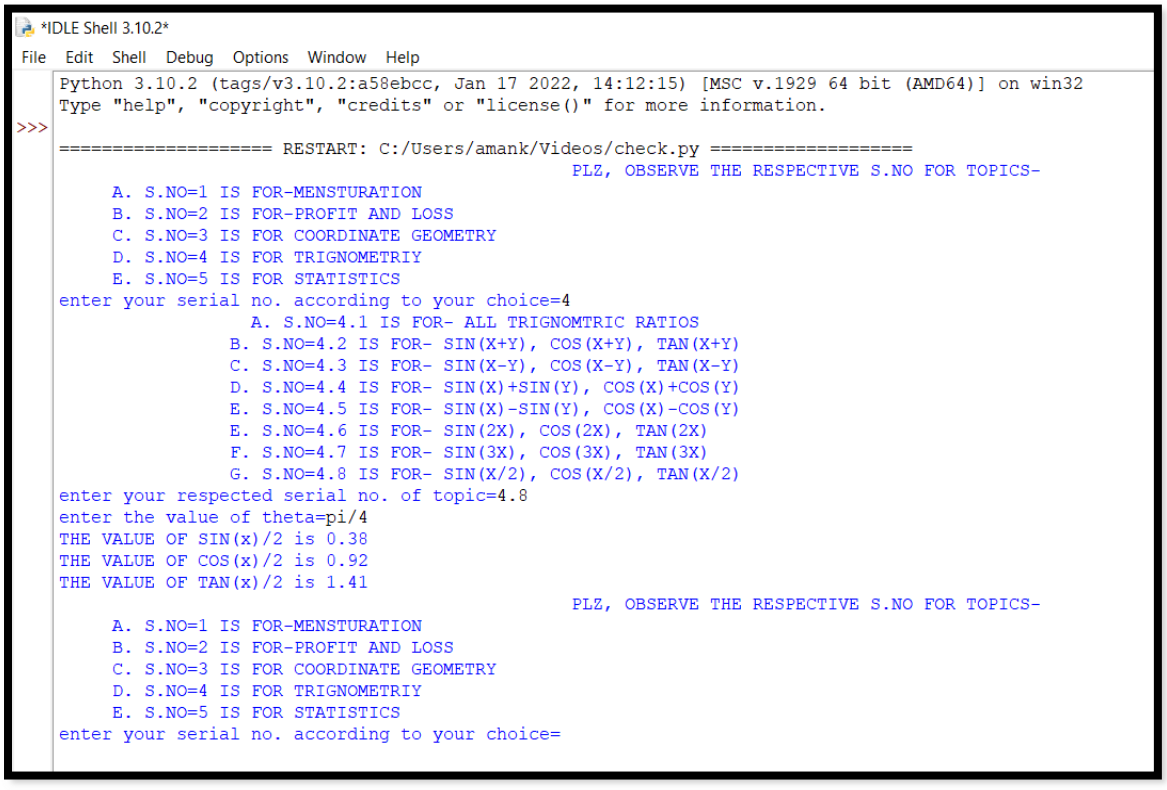
DOUBLE ANGLE



TRIPLEANGLE

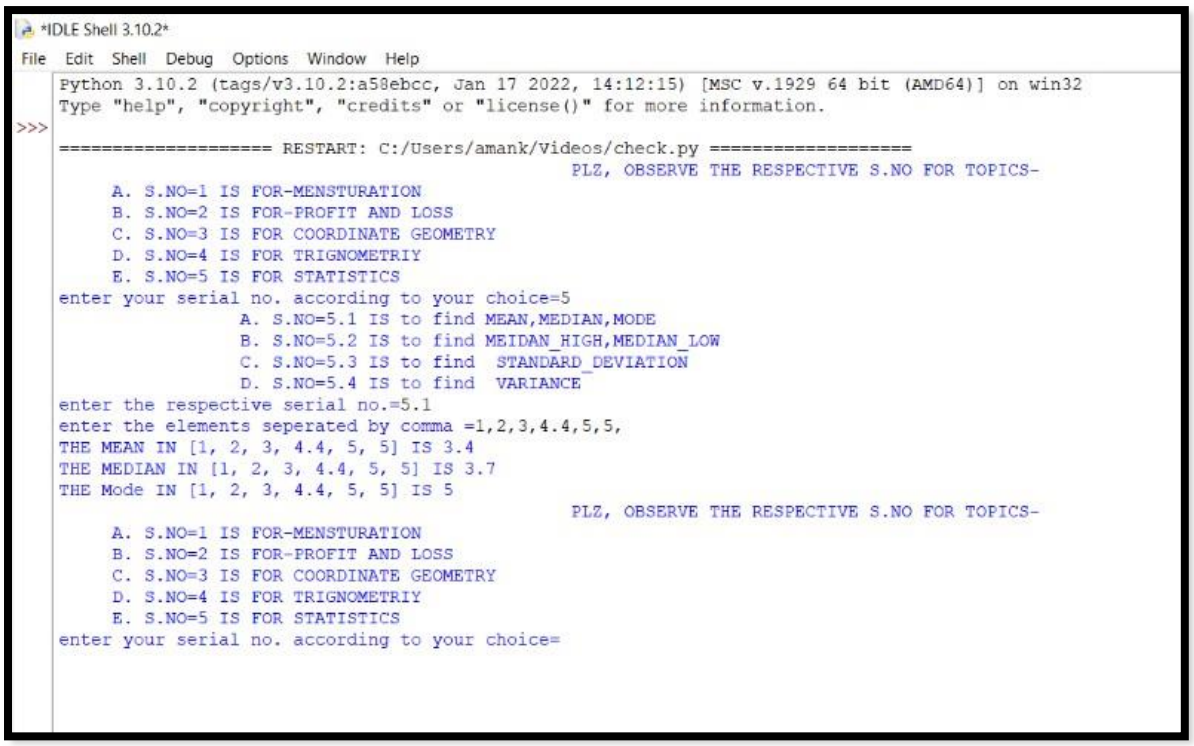


HALFANGLE.



STATSMATHSRELATEDOPERATIONS

MEAN,MEDIAN,MODE



```
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========== RESTART: C:/Users/amank/Videos/check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=5
                A. S.NO=5.1 IS to find MEAN,MEDIAN,MODE
                B. S.NO=5.2 IS to find MEIDAN_HIGH,MEDIAN_LOW
                C. S.NO=5.3 IS to find  STANDARD_DEVIATION
                D. S.NO=5.4 IS to find  VARIANCE
enter the respective serial no.=5.1
enter the elements seperated by comma =1,2,3,4.4,5,5,
THE MEAN IN [1, 2, 3, 4.4, 5, 5] IS 3.4
THE MEDIAN IN [1, 2, 3, 4.4, 5, 5] IS 3.7
THE Mode IN [1, 2, 3, 4.4, 5, 5] IS 5
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```
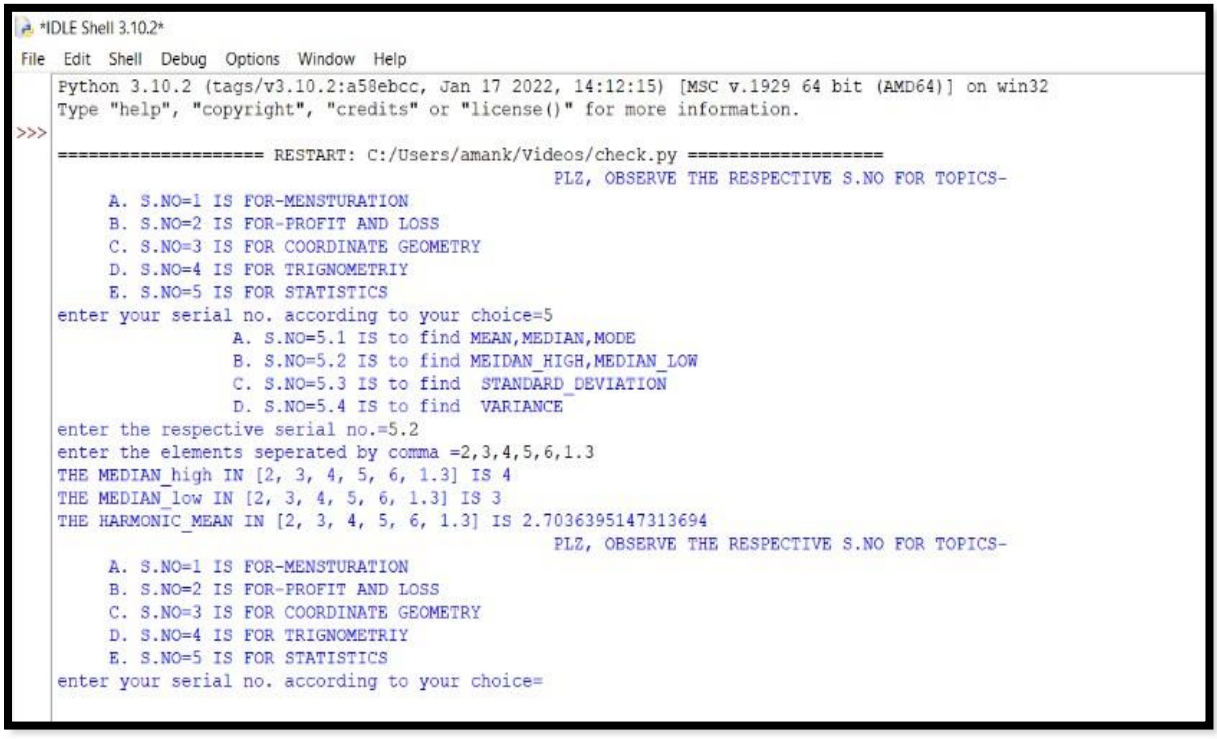

MEDIANHIGH,MEDIAN LOW



```
*IDLE Shell 3.10.2*
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
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>>>
========== RESTART: C:/Users/amank/Videos/check.py ==========
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=5
                A. S.NO=5.1 IS to find MEAN,MEDIAN,MODE
                B. S.NO=5.2 IS to find MEIDAN_HIGH,MEDIAN_LOW
                C. S.NO=5.3 IS to find  STANDARD_DEVIATION
                D. S.NO=5.4 IS to find  VARIANCE
enter the respective serial no.=5.2
enter the elements seperated by comma =2,3,4,5,6,1.3
THE MEDIAN_high IN [2, 3, 4, 5, 6, 1.3] IS 4
THE MEDIAN_low IN [2, 3, 4, 5, 6, 1.3] IS 3
THE HARMONIC_MEAN IN [2, 3, 4, 5, 6, 1.3] IS 2.7036395147313694
                                        PLZ, OBSERVE THE RESPECTIVE S.NO FOR TOPICS-
     A. S.NO=1 IS FOR-MENSTURATION
     B. S.NO=2 IS FOR-PROFIT AND LOSS
     C. S.NO=3 IS FOR COORDINATE GEOMETRY
     D. S.NO=4 IS FOR TRIGNOMETRIY
     E. S.NO=5 IS FOR STATISTICS
enter your serial no. according to your choice=
```
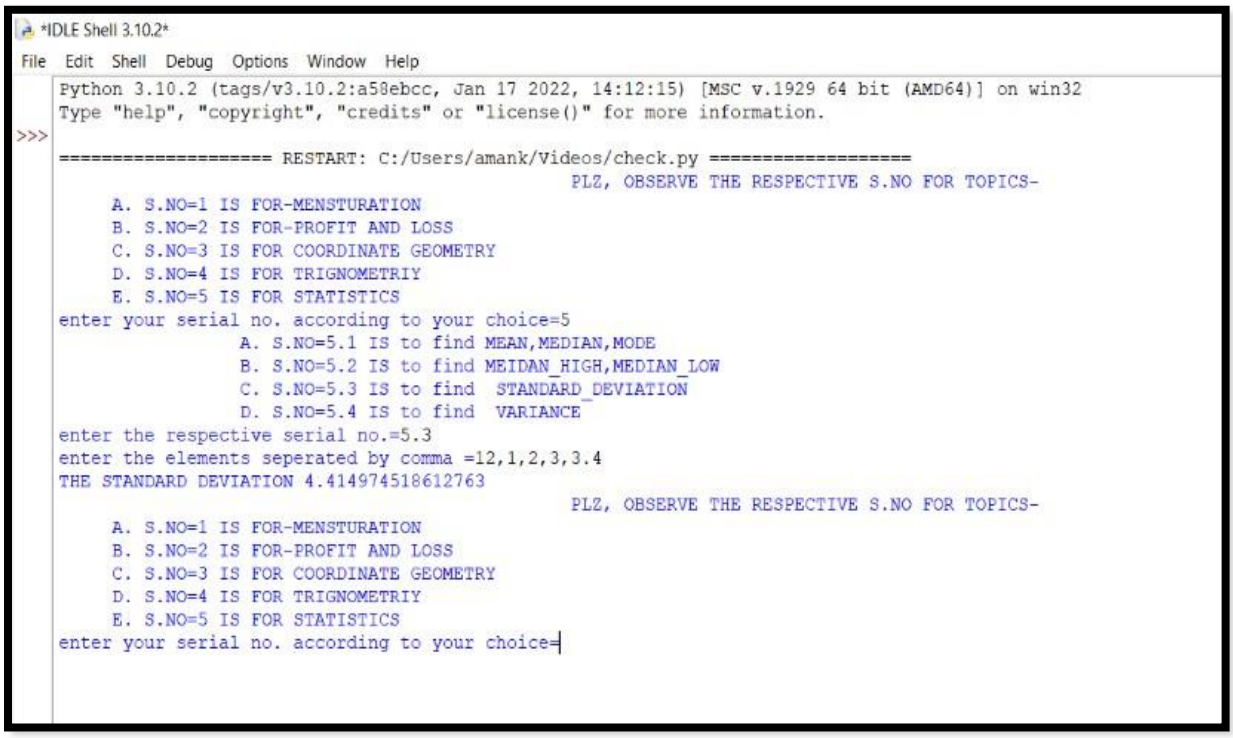

STANDARD DEVIATION



VARIANCE