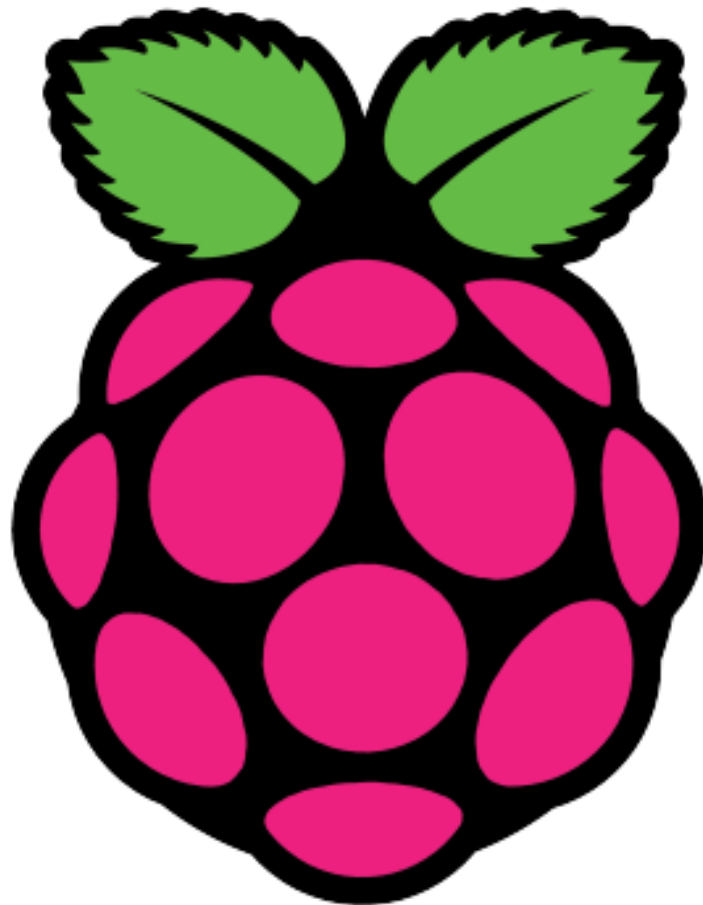


“Raspberry pi course”

ENG: AHMED MUBARAK

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SESSION NO.“4”

- PYTHON PROGRAMMING

ENG.AHMED MUBARAK

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14.functions

```
def mubarak():
    print("Ahmed Mubarak")

print("-----")

    mubarak()

print("-----")

def greet(name):
    print("Hello, " + name + ". Good morning!")
    greet('ahmed')

print("-----")

def absolute_value(num):
    if num >= 0:
        return num
    else:
        return -num

print(absolute_value(2))

print(absolute_value(-4))

print("-----")

def mubarak():
    print("mubarak")

def main():
    mubarak()

if __name__ == "__main__":main()
```

15.calculate the area of the circle by 3 methods

#program to find area of circle in Python using math file

```
import math

r = float(input("Enter the radius of the circle: "))

area = math.pi* r * r

print("%.2f" %area)
```

```
print ("-----")
```

#program to find area of circle in Python using π

```
PI = 3.14

r = float(input("Enter the radius of the circle: "))

area = PI * r * r

print("%.2f" %area)
```

```
print("-----")
```

#program to find area of circle using functions

```
import math

#Function that calculates area of circle

def area_of_circle(r):

    a = r**2 * math.pi

    return a

r = float(input("Enter the radius of the circle: "))

print("%.2f" %area_of_circle(r))
```

With my best wishes:

ENG : AHMED MUBARAK
