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Assignment – 1

i)   Student Management System (Basic)

Code :

```
name = input ("Enter Student Name :")
m1 = int (input ("Enter Marks of Subject 1 :"))
m2 = int (input ("Enter Marks of Subject 2 :"))
m3 = int (input ("Enter Marks of Subject 3 :"))

total = m1 + m2 + m3
avg = total / 3

if avg >= 75 :
    grade = "A"
elif avg >= 60 :
    grade = "B"
elif avg >= 40 :
    grade = "C"
else :
    grade = "fail"

print ("Name :", name)
print ("Total Marks :", total)
print ("Average :", avg )
print ("Grade :" grade)
```

ii) College Management System (Basics)

```
College = "Vidyalankar Polytechnic"
Department = "Electronics & Computer Engineering"
students = 540
faculty = 35

print ("College Name:", College)
print ("Department:", Department)
print ("No. of Students:", students)
print ("No. of faculty:", faculty)
```

iii) Electronics tool Management System (Basics)

```
print ("1. Resistor - Rs. 6")
print ("2. Capacitor - Rs. 7")
print ("3. Inductor - RS.10")

choice = int (input ("Enter Choice:"))
qty = int (input ("Enter Quantity:"))

if choice == 1:
    cost = 6 * qty
elif choice == 2:
    cost = 7 * qty
elif choice == 3:
    cost = 10 * qty
else:
    cost = 0
print ("Total Cost: Rs.", cost)
```

iv) Document Organizer

```
doc = input("Enter Doocument name:")
dtype = input("Enter Document type:")

if dtype == "pdf":
    category = "study Material"
elif dtype == "jpg":
    category == "Image File"
elif dtype == "docx":
    category == "Text Docs"

else:
    category = "others"

print("Document:", doc)
print("Category:", category)
```

v) Simple Calculator

```
while True:
    print ("1.Add 2.Sub 3.Mul 4.Div 5.Exit")
    ch = int(input("Enter Choice :"))

    if ch == 5
        break

    a = int(input("Enter the 1st Number :"))
    b = int(input("Enter the 2nd Number :"))

    if ch == 1
        print("Result:", a+b)
    elif ch == 2
        print("Result:", a-b)
    elif ch == 3
        print("Result:", a*b)
    elif ch == 4
        print("Result:", a/b)
```