

Convert Bad code into Good Code using Python programming language

Ex. No: 2

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Aim: To write a good code from the given Python bad code which you input students name, class, roll number, and marks in five subjects. Find out the total marks, percentage, grade according and remarks from the following table.

Student Name	Akshaya
Roll No	720821108004
Class	b.tech
Subjects	Marks
Python	98
Java	99
Data Science	99
HTML	97
CSS	98

Configuration Details:

1.	Problem	Convert bad code into good code using python
2.	Solver	Python
3.	Compiler	IDLE

Source Code Details:

BAD CODE:

```
std_ne=input(" ")
stdt_Rno=int(input(" "))
std_C=input(" ")
Mk_Pyt=int(input(" "))
Mk_Ja=int(input(" "))
Mk_DS=int(input(" "))
Mk_HTML=int(input(" "))
Mk_CSS=int(input(" "))
```

```

total=(Mark_Python+Mark_Java+Mark_Data_Science+Mark_HTML+Mark_CSS)
print(total)
avg=(total/500)*100
print(average)
marks=100
if marks >=90:
    print("A+ Grade")
    print("Very Good")
elif marks >=80:
    print("A Grade")
    print("Good")
elif marks >=70:
    print("B+ Grade")
    print("Average")
elif marks >=60:
    print("B Grade")
    print("Below Average")
else:
    print("U Grade")
    print("RA")

```

GOOD CODE:

#STUDENT DETAILS

```

student_name=input("Enter the student name:")
student_rollnumber=int(input("Enter the student's roll number:"))
student_class=input("Enter the student's class:")

```

#STUDENT MARKS

```

mark_python=int(input("Enter the python mark:"))
mark_java=int(input("Enter the java mark:"))
mark_datastructure=int(input("Enter the data stucture mark:"))
mark_HTML=int(input("Enter the HTML mark:"))
mark_cleancoding=int(input("Enter the clean coding mark:"))

```

#TO PRINT TOTAL MARK

```

total=(mark_python+mark_java+mark_datastructure+mark_HTML+mark_cleancoding)
print(" The total mark is :",total)

```

#TO PRINT AVERAGE

```

average=(total/500)*100
print("The average mark is:",average)
marks=100

```

#USING IF ELIF CONDITION

```
if marks >= 90:
    print("A+ GRADE")
    print("VERY GOOD")
elif marks >= 80:
    print("A GRADE")
    print("GOOD")
elif marks >= 70:
    print("B+ GRADE")
    print("AVERAGE")
elif marks >= 60:
    print("B GRADE")
    print("BELOW AVERAGE")
else:
    print("U GRADE")
    print("FAIL")
```

Source Code Output Details:

GOOD CODE:

Enter the student name: AKSHAYA

Enter the student's roll number: 720821108004

Enter the student's class: 8TH

Enter the python mark: 80

Enter the java mark: 90

Enter the data stucture mark: 70

Enter the HTML mark: 100

Enter the clean coding mark: 80

The total mark is : 420

The average mark is: 84.0

A+ GRADE

VERY GOOD

Inference:

Result:

Thus, the clean coding concept program is successfully done by python and output was verified.