1. Use if else an elif to write a program in python for your report card.

mark = int(input("Enter the marks:"))

if mark >= 91 and mark<=100:

print("Your grade is A+");

elif mark >= 81 and mark<=90:

print("Your grade is A");

elif mark >= 71 and mark <=80:

print("Your grade is B+");

elif mark >= 61 and mark <=70:

print("Your grade is B");

elif mark >=51 and mark <=60:

print("Your grade is C+");

elif mark>=41 and mark<=50:

print("Your grade is C");

else:

print("Failed");

1. Use for loop to print 100 prime numbers from 1 to 1000

for Number in range (0, 1001):

count = 0

for i in range(2, (Number//2 + 1)):

if(Number % i == 0):

count = count + 1

break

if (count == 0 and Number != 1):

print(" %d" %Number, end = ' ')

1. Write a program for printing the tables from 1 to 10 using nested for loop

for a in range(1,11):

print("\n\nMULTIPLICATION TABLE FOR %d\n" %(a))

for b in range(1,11):

print("%-5d X %5d = %5d" % (a, b, a\*b))

1. Write a program to print x prime numbers using while loop starting from 0 and take input of x from the user.

max = int(input(" Please Enter Any Number: "))

Number = 1

print("Prime numbers between", 1, "and", max, "are:")

while(Number <= max):

count = 0

i = 2

while(i <= Number//2):

if(Number % i == 0):

count = count + 1

break

i = i + 1

if (count == 0 and Number != 1):

print(" %d" %Number, end = ' ')

Number = Number + 1