* **#1 python program for accepting percentage from users**

**marks=int(input(“enter the marks”)**

**If marks>90:**

**print(“grade:”,’A’)**

**elif marks>80 and<=90:**

**print(“garde:”,’B’)**

**Elif marks>=60 and<=80:**

**print(“grade:”,’C’)**

**Else:**

**print(“grade”:,’D’)**

**#2 python program for accept cost price of bike**

**price=int(input(“entres the cost price”)**

**If price>100000:**

**print(“tax is 15%”)**

**If price>50000 and<=1000000:**

**print(“tax is 10%”)**

**If price<=50000:**

**print(“tax is 5%”)**

**#3 display the monuments of the city**

**city=input(“enters the city name”)**

**If city==”delhi”:**

**print(“the monument is:”,”red fort”)**

**elif city==”agra”:**

**print(“the monument is:”,”taj mahal”)**

**elif city==”jaipur”**

**print(“the monument is:”,”jal mahal”)**

**#4 while loop**

**A while loop is a type of loop in python that executes block of code repeatedly until certain condition is meet.the condition is checked at the beginning of each iteration.if it is true the loop body is executed if it is false the loop is executed and continues the next statement after the loop**

**#5 loop patterns**

**i=1**

**While i<5:**

**j=1**

**While j<=i:**

**print(“\*”,end=””)**

**j+=1**

**print()**

**i+=1**

**#2**

**i=1**

**While i<5:**

**j=1**

**While j<=5-i**

**print(“\*”,end=””)**

**j+=1**

**j=1**

**While j<=2\*i-1:**

**print(“\*”,end=””)**

**j+=1**

**print()**

**i+=1**

**#3**

**i=1**

**While j<5:**

**j=1 while j<=i:**

**print(i,end=””)**

**j+=1**

**Print**

**i+=1**

**#reverse a while loop**

**num=10**

**While num<1:**

**print(num)**

**num-=1**