1) Write a Python program that calculates the area of a circle based on the radius entered by the user.

```
x = float(input("Enter the radius :"))
area = 3.14*x*x
print("Area : ",area)
```

2) Write a Python program that accepts a filename from the user and prints the extension of the file.

```
x = input("Enter the sentence :")
x = x.split(".")
print(x[1])
```

3) Write a Python program to display the examination schedule. (extract the date from exam_st_date)
exam_st_date = (11, 12, 2014)
Sample Output : The examination will start from : 11 / 12 / 2014

```
x = input("Enter the date :")
x = x.replace(",","/")
print(" The examination will start from : ",x)
```

4) Write a Python program that accepts an integer (n) and computes the value of n+nn+nnn.
Sample value of n is **5**
Expected Result : **615**

```
x = int(input("Enter the value:"))
y=int( "%s%s" % (x,x)) # %s specifically is used to perform concatenation of strings together.
z=int("%s%s%s" % (x,x,x))
print(x+y+z)
```

5) Write a Python program to calculate the number of days between two dates.
Sample dates **: (2014, 7, 2), (2014, 7, 11)**
Expected output **: 9 days**

```
from datetime import date
```

```python
s_date = date(2014, 7, 2)
e_date = date(2014, 7, 11)
diff = e_date - s_date
print(diff.days)
```