Darshan UNIVERSITY

योग: कर्मसु कौशलम्

Python Programming - 2101CS405

Lab - 9

Name : : { }

Enrollment : : { }

Date : : { }

Exception Handling

```python
In [1]: try:
    a=5
    b="3"
    c=a+b
except TypeError:
    print("Invalid Datatype")
else:
    print("else Block Excuted")
finally:
    print("finally Block Excuted")
```

```
Invalid Datatype
finally Block Excuted
```

A

01) WAP to handle divide by zero exception.

```
In [ ]:
```

```
Enter Number : 5
Zero Division Error
```

02) Write a Python program that inputs a number and generates an error message if it is not a number.

In [ ]:

```
Enter Number : 2a
Enter Valid Number
```

03) WAP to handle file not found Exception

In [ ]:

```
Couldn't find file
```

04) WAP to handle type Exception.

In [ ]:

```
Invalid Datatype or Operattion
```

05) WAP to demonstrate valueError and indexError with example.

In [ ]:

```
Enter Number : 5a
Value Error & Index Error
```

06) WAP to domonstrate else and finally block.

In [ ]:

```
Enter Number : 5a
Invalid Datatype
finally Block Excuted
```

07) Create a short program that prompts the user for a list of grades separated by commas. Split the string into individual grades and use a list comprehension to convert each string to an integer. You should use a try statement to inform the user when the values they entered cannot be converted.

In [ ]:

```
Enter List Of Marks Seperated By Comma : 5,61, ,535
Value Can't Converted
```

B

01) WAP to Raising User Generated Exception.

```
In [ ]:
```

```
Enter Positive Number : -1
 enter positive number
```

02) WAP to raise your custom Exception.

```
In [ ]:
```

```
Enter Odd Number : 6
Even Number Entered
```