Labsheet-1

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# Q1
marks=float(input("Enter Marks:"))
passing=float(input("Enter passing marks:"))
if marks>=passing:
  print("Pass")
else:
  print("Fail")

# Q2
salary=float(input("Enter Salary:"))
min_salary=float(input("Enter Minimum Salary:"))
if salary>=min_salary:
  print("Salary meets or exceeds minimum")
else:
  print("Salary is below minimum")

# Q3
age=int(input("Enter your age:"))
voting_age=18
if age==voting_age:
  print("Exactly Voting Age")
elif age>voting_age:
  print("Older than voting age")
else:
  print("Younger than voting age")
```

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# Q4
p1=float(input("Enter price of product1:"))
p2=float(input("Enter price of product2:"))
if p1>p2:
  print("Product 1 is costlier")
elif p2>p1:
  print("Product 2 is costlier")
else:
  print("Both have same the price")

# Q5
balance=float(input("Enter balance:"))
withdrawl=float(input("Enter withdrawl amount:"))
if balance>=withdrawl:
  print("Withdrawl allowed")
else:
  print("Insufficient balance")

# Q6
atte=float(input("Enter attendance %:"))
required = 75
if atte>=required:
  print("Eligible for exam")
else:
  print("Not Eligible for exam")
```

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# Q7
temp=float(input("Enter temperature:"))
if 36.5<=temp<=37.5:
  print("Normal temperature")
elif temp<36.5:
  print("Below Temperature")
else:
  print("Above Normal")

# Q8
hours=float(input("Enter working Hours:"))
required =8
if hours==required:
  print("Exactly working hours")
elif hours>required:
  print("More than required hours")
else:
  print("Less than required hours")

# Q9
income=float(input("Enter monthly income:"))
limit=float(input("Enter tax exemption limit:"))
if income>limit:
  print("Taxable income")
else:
  print("No Tax")
```

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# Q10
t1=float(input("Enter Delivery time 1 hours:"))
t2=float(input("Enter Delivery time 2 hours:"))
if t1<t2:
   print("Delivery 1 is faster")
elif t2<t1:
   print("Delivery 2 is faster")
else:
   print("Both take some time")
# Q11
 while(True):
    n=int(input("Enter the number:"))
    if(n>0 and n%2==0):
       print("number is positive or even")
    else:
       print("number is negative or odd")
    choice=str(input("Enter the choice yes/no:"))
    if choice=="no":
       break

# Q12
for i in range(5):
   mrks=int(input("enter the marks:"))
   if(mrks<40):
      break
```

```
# Q13
while True:
   age=int(input("Enter the age:"))
   cit=input("Enter the citizenship:").upper()
   if age>=18 and cit=="INDIAN":
      print("You are eligible for voting")
   else:
      print("You are not eligible for voting")
   choice=input("Enter the choice yes/no yes for continue and no fir input to
exit:").lower()
   if choice=="no":
      break

# Q14
salary = float(input("Enter your salary: "))
experience = float(input("Enter your years of experience: "))
# Example criteria
eligible = True if (salary >= 50000 and experience >= 5) else False
result = "Eligible for bonus" if eligible else "Not eligible for bonus"
print(result)

# Q15
year=int(input("Enter the leap year:"))
if(year%4==0 and year%100!=0 or year%400==0):
   print("It's a leap year")
else:
   print("It's not a leap year")
```

```
# Q16
n=int(input("Enter the number:"))
if n%3==0 or n%5==0:
   print("Its is divisible by 3 or 5")
else:
   print("Its is not divisible by 3 or 5")

# Q17
state_player = input("Are you a state-level player? (yes/no): ").strip().lower()
national_player = input("Are you a national-level player? (yes/no): ").strip().lower()
is_state = state_player == "yes"
is_national = national_player == "yes"
eligible = is_state or is_national
print("Eligible for sports quota" if eligible else "Not eligible for sports quota")

# Q18
while True:
   pa=float(input("Enter the purchase amount:"))
   ms =input("Do you have a membership")
   if pa>=50000 and ms=="yes":
      print("Eligible for discount")
   else:
       print("Not Eligible for discount")
   choice=input("Enter the choice yes/no yes for continue and no fir input to
exit:").lower()
   if choice=="no":
      break
```

```
# Q19
deg=input("Do you have a degree?(yes/no):")
exp=int(input("Enter the experience:"))
print("Eligible" if(deg=="yes" and exp>=3) else "not eligible")

# Q20
day=input("Enter the day name:")
if day=="Sunday" or day=="Saturday":
   print("Its a weekend")
else:
   print("Its not a weekend")

# Q21
age=int(input("Enter the age:"))
if not(age<18):
   print("You are eligible for blood donation")
else:
   print("You are not eligible for blood donation")

# Q22
login_status=input("Enter the login status(yes/no)")
login_status= login_status == "True"
reversed_status= not login_status
print("Original Status:",login_status)
print("Reversed Status:",reversed_status)
```

```
# Q23
n=int(input("Enter the number:"))
if not(n<0):
  print("Its a positive number")
else:
  print("Its not a positive number")

# Q24
role=input("Enter the role:")
if not(role=="admin"):
  print("You are not admin:")
else:
  print("You are admin")

# Q25
atte=input("Enter attendance :")
if not(atte=="absent"):
  print("Not Present")
else:
  print("Present")

# Q26
income=float(input("Enter the income:"))
credit_score=int(input("Enter the credit score:"))
defaulter=input("Are you a defaulter(yes/no)")
if income>=300000 and credit_score>=650 and not(defaulter=="yes"):
  print("Loan Approved")
else:
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    print("Loan Rejected")


# Q27
login_status=input("Are yoy logged in.(yes/no):")
blocked_status=input("Is your account is blocked in.(yes/no):")
if login_status=="yes" and not(blocked_status=="yes"):
    print("Access approved")
else:
    print("Access Denied")


# Q28
exam_status=("Did you pass the exam (yes/no):")
sport_quota=("Do you have the sport quota (yes/no):")
detention=("Did you detained (yes/no):")
if (exam_status=="yes" or sport_quota=="yes") and not(detention=="yes"):
    print("Student approved")
else:
    print("Student not approved")


# Q29
permit = input("Do you have a valid permit? (yes/no): ").lower()
emission = input("Is emission test passed? (yes/no): ").lower()
emergency = input("Is it an emergency vehicle? (yes/no): ").lower()
if (permit == "yes" and emission == "yes") or emergency == "yes":
    print("Vehicle Entry Allowed ")
else:
    print("Vehicle Entry Denied ")
```

```
# Q30
while True:
    senior = input("Are you a senior employee? (yes/no): ").lower()
    medical = input("Do you have a medical reason? (yes/no): ").lower()
    notice = input("Are you in notice period? (yes/no): ").lower()
    if (senior == "yes" or medical == "yes") and not (notice == "yes"):
        print("Work From Home Approved ")
    else:
        print("Work From Home Not Approved ")

    repeat = input("Do you want to check again? (yes/no): ").lower()
    if repeat == "no":
        break
```