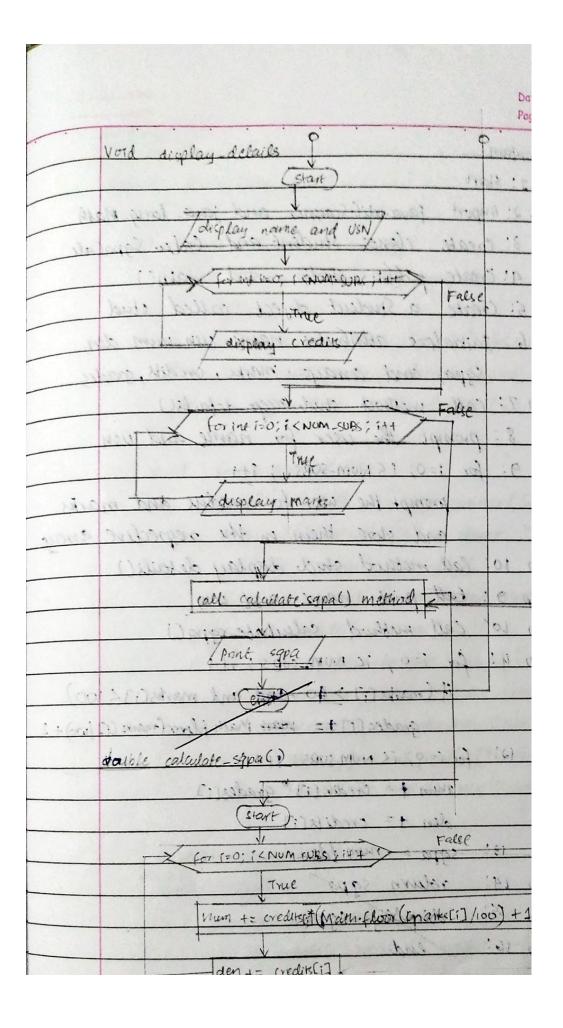
Flowchast void main()
the confidence walls of supplement
V.
import journalit. Scanner 7
Control of the contro
Create public class spacale
Create public static void main
is to represent the man
called student object
200
Coul the stud-accept, details
messing medical display details
(end) is to finish a way or
Class student
Jaincalize int NUM-SUBS=8
UCNI sainty name and
marke grades of length
Initialize directle num, den.
1 spo trong have
yord accept nebaila(15 (exent)
/prompt the user for name and usn/
Mar Marine
for ine 1:0; 16 Num_sups; 1++ Fathe



THE RESERVE OF THE PARTY OF THE
Algoritum:
Step 2: Start
step 2: import java-util-Scanner and java. I
step 3: Create classes student and - Cate
step 4: create public static void main
Step 5: Create a Student object called
sup 6: Juitialize altributes name, cum, no
Sapa, and aways marks, credi
step 7: Call mestrod stud accept details()
step 8: prompt the user for name an
step 9: for 1=0; i < NUM-SUBS; i++
prompt the user for creditle a
and store them in the nego
step 10: Call method stud: display deta
step 9: Est print name and usy
step 10: Call method calculate-sqpal)
exep 4: for 120; ic NUM-sugs; its
if (marks [i] > \$0 and and mark
grades [1] #= Math floor (
step 12: for i=0; i < NUM-SUBS; 1++;
num + = credik[i] * grades[i]
den += credits[i]
step 13: sgpa = num (den
step 14: roturn sapa
step 15.' display sgpa

Page
Program: import java util scame;
import java lang. Math;
public 5
class Student & south
double NUM-SUBS = 8; sapa, num, den;
String name, USM;
double creditate new double [NVM-sup
double marks [] = new double [NUM_s
double grades ye new double (NUM
System out pant ("Coulins ")".
Void accept details () &: ;
Scanner reader 2 new Scanner Csy
System out printly ("Enter name: ")
name = reader next Line();
System out mintle & new Enter USN:
is is usuar reader next ine ();
for (Int i=p; ic Num-subs; i++){
System. out. prinkly (" Enter credi
" 'credik (i) = reader next Double
man System out printly ("Enter
marks[i] = reader next Doub
3
void display-details () &
double calculate-sapa () (
for (int i=0; i (NUM_SUBO; i++) {
if (may/25[i]>=40 && mai/25[i] <=
and of the Math flator (marks

num += gradesco * creditsci);
den += enedits[i];
sgpa = num/den;
return 'sgpa;
्या १९५० हर्ष
void display-debails() {
System. out. Printly ("Name:" + nam
System out printle ("USN: " + US
System. cout. pwnt ("Credits: ");
for (120', 16 NUM SUBS; 1++) { System. out-print (credits Li] +"
System out thing of and form
System out printler (" ");
System - out - print ("Marks: ");
foi (int 120; ix NUM subs ; i++)
Systems orict print Chranks [i] +
Sycamone printle ("Mour coales"):
: Bystem.out-println ("");
System-out-println ("SGPA: "
1 1 star Of way 30 to Carlotte
<u>}</u>
d Joseph Januar 1999
public class saparate for miles
public state word main (string []
Student Stid = new Student (

Da Pog
Output:
Enter name:
Agnera
Enter USN:
1BM22CSO24
Enter credite: NGAROGENES:
14: 4.0 40, 30, 3.0, 0.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1
Enter marks. 20 000 000 000
90 33.6 : 4
Enter credits:
4
Enter marks:
92
Enter evedits:
3
Enter marks:
97
Enter credits:
3
Enter marks:
95
Enter credits.
3
Enter marks:
92
Enter credits:

```
C:\Users\bmsce\Desktop\1BM22CS024\lab 2>java SgpaCalc
Enter name:
Agneya
ENter USN:
1BM22CS024
Enter Credits:
Enter marks:
90
Enter Credits:
Enter marks:
Enter Credits:
Enter marks:
Enter Credits:
Enter marks:
95
Enter Credits:
Enter marks:
Enter Credits:
Enter marks:
```

```
Enter marks:
97
Enter Credits:
1
Enter marks:
96
Enter Credits:
1
Enter marks:
95
Name: Agneya
USN: 1BM22CS024
Credits: 4.0 4.0 3.0 3.0 3.0 1.0 1.0 1.0
Marks: 90.0 92.0 87.0 95.0 92.0 97.0 96.0 95.0
SGPA: 9.85
```