	Date:
	Project of the second to the control of the second of the
	Name: - Munammad Talka
	0 -1
	Subject: OOP
	Som/Sec:- 2-A
	Instructor:- sie Shahzad
	Date: 27-03-2023
	(0#1) How to create a class?
1	Ans. To create a class in c+
	follow these steps:
)	1- Define the class name - This
	Should be meaningful name
	that describes with the class
	represent-
	2-Doffne the class variable that
	will noted data - These variables
	could be public, Private and protected-
	3- Define the class function that will
	4- Detine constanton - The most with in
	a special function which operates

when object of class is created— 5- Define destructor—The destructor is also a special function—that is ealled when an object of the Class is destroyed— Example:— class Person 2. private: string name; int age; public: string getName() {
also a special function that is ealled when an object of the Class is distroyed- txample: class Person fint age; public: string gername() {
also a special function that is called when an object of the Class is distroyed. Example: class Person ? private: String name; int age; Public: String getName()?
class is destroyed. Example: class Person private: string name; int age; public: string getName() {
class is dutroyed. Example: class Person private: string name; int age; public: string getName() {
class Person Private: String name; int age; Public: String qetName() {
class Person Private: String name; int age; Public: String getName() {
private: String name; int age; Public: String getName() {
private: String name; int age; Public: String getName() {
private: String name; int age; public: String getName() {
string name; int age; public: string getName() {
string name; int age; public: string getName() {
public: string getName() {
public: string getName() {
string getName() {
setus n name; }
int getage)?
veturn age;
The state of the s
Person (string n, string a) {
name=n;
age=9; 3
~Person(){
cout LL" Destructor called "; }
3:

(Q#3) How and when to use
Access modifiers?
(Ans) Access Modifiers are used
to specify the accessibility of
class members. There are 3 types
_ of modifiers en ctt-
_ 1- Public -
2- Private-
3- Protected.
Public members can be accessed from
anywhere in the program, including outside
the class-
Private members can be only be
accessed from within the class,
and not from outside the class
Protected members can be accessed
from within the class and from
ts derived class-
NO WEST ON WHEN THE STATE OF TH
The state of the s
-11575 / BISTANAS ASSAURTS SAN CONTRACTOR
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Date:
class Example
g
private:
int privatem;
public:
Int public_mg
protected:
int protected _m;
7;
I some some some some some
(QNO4) Encaps weation:-
Encapsulation is a fundamental concept
in oop that refers to the practice
of bundling with a class-Encapsulation
is implemented by using access
Chariftore -
1-Public-
2- Private-
3- Protected-
By default members of a class in
C++ are private, so to acess them
we de need to define public methods

=======	Date:
1	caued getters and setters- which allows
1	in to read or modify the private
	data members indirectly. This ensures
	that the object's internal state is
	controlled and managed by class-
	Carca o lice
	class cass
-	pyivate:
-	int speed;
-	Sut acces
-	public:
4-	
-	int getspeed() {
	vetan speed;
	and the grant of the second of the second
	void setspeed (int a) {
	speedes;
	3
	int getgeau()?
	yeturn gear;
	3
	void getgearlint g) { gear = g ;
	>
	} ;
Action to the second	

Date:	
visitual function neeps you in escuing	1
that you are carrie	- N
function via a reference of	
pointer-	
The state of the s	
(0#6) Innerétance:	-
Inneritance is a fundamental concept	
en oop that allows us to create	
- a new class by inheriting the	
properties and behaviours of an	
existing class- Inheritance is implemente	1 -
using the class keywood, followed by	
a colon and the access specific	0 -
public private & protected and the	
of class-	
The derived class inherits all the	
members variables and member	
functions of base class and it can	
also add new to member variables	
and new member functions or	
Overside the existing ones-	
	0

Date:_ class Animal public: void eat() Estel:: wout LL"I amaitingIn"; class Dog: public Animal& public: void bork 0 Stol:: cout 12" Noof woof! In"; In this example, the Dog class is durived from the Animae class wing the public access specifier- That's pro